SEQUENCE LISTING

<110> Recipon, Herve
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       Chen, Sei-Yu
       Liu, Chenghua
       Turner, Leah

<120> Compositions and Methods relating to Lung Specific Genes and
Proteins

<130> DEX-0243

<140> US/10/016,349
<141> 2001-10-26

<150> US 60/243,459
<151> 2000-10-26

<160> 244

<170> PatentIn version 3.1

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actaaccaga ggttactatt gataatgcct ttttgtgtat atcctgtatt tgttttccta       180

tttacaacac atcatctata atgtggtatt tatagccttt taatttaata gaactaagat       240

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agggccccac tggcaaccag tctgtgttgg ctttcaggcg gagaaggcat atctggggca       360

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actaaccaga ggttactatt gataatgcct ttttgtgtat atcctgtatt tgttttccta      180

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catggctaaa atgagtggga attgcttggc aaatttgtgt ttgtttttat ctttatattt      480

gcacatactg aataaagata attttaatcc tggggaagag gtagaacaaa tctcatgatt      540

ttagttttct ctgttagtat tgcacgacat aagcaccaga gagatgactt ttttcctcct      600

ttggttcatt tgtattttac ttgtcctatt ccaaaagaac agtattcgaa atgagacaca      660

ggtatcaata aggaaaattt ccagagccag aacgaaggaa ggaactgtca gggaacaatt      720

agtgtgatgg gaaactatgt tatgcttcct cagaaagtat gacaaatatg ttacatttac      780

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aaggttgtcc nnnnnnnnnn nnnnnnnnnn nnnaattacc aagcaacagt ataaaaggt       180

ggtaccacct gagaggtgat tagaccatga gcgctccacc ccccatggag gggaggtgcg      240
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aaaaaaagtc atgttattac cgcattttgt gaattcagac atgcattgac tatttactct      180

gtgccatgta gttttctcca ccagtgaggt agatgttatt atcccatttt tacacatgat      240

gaaactgaga ccagaaaatt ttaaacaggc caggcctggt ggttcacccc gtaaccccaa      300

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acaatctatt ttcaaaattt gtagtcatac ctacttgaat ataaggtggg actcaacaaa      180

ggcaacacaa ctgactttgt atgtcccta aagggaggct gtagatctct aagagatata      240

cttaagtggt ggagaaactg atttcatttg ttctatttct caaaagttat ttcttaaaat      300
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tctctgtaaa gggatggaat gttgtatttc cttctactga tgtttccata aactccagtt      180

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gaaagagaaa ccgggagaga aaaagttata gcgatattta ctaagacagg taattnnaga      660

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ggatttaatt tgtatatgaa aatatttcat aattattatt taggtgcaag taaggggttt   240

aaaatcttat ttatacattt taaaaagtaa attttattca aatataatgc tacaagatta   300

tgtaaagttt ctagtcaaga tggcacattg agtttatgtt tcgactcact ccctttgctc   360

caaacacata gcaatgangg gtaaaatata aacgagaaaa cattagagac aaggctgggc   420

ttccagaaac aagataaata tcttcatgga ccagaaatgc caagtagnga gcaaaactgc   480

agcctgggcc tgctggactc tctatccaaa gcangtggtg gtgtccagga atttggctac   540

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cctgggaaaa cttttcccag gtatcctgaa gaagtttaac cggtttttag gggttttaaa     180

ttggtggatc cccagccctc aggaaaaaag atggaagaat gtaaaacagg aggagaacat     240

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atagaaatgt ttctaattta actttgggtt aaagctgatt gattaatgtt agtttgaaag     420

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ccaagtagng agcaaaactg cagcctgggc ctgctggact ctctatccaa agcangtggt     900

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attttgactt tgcctgaaag tgatcaacag atcgtgacat gctatccaaa cttcctaaca     180

ggaccttaca aattacatat cttaagtgtt agactttctg atgtctctga aattttctgg     240

gctttactgg gaaccctgct ttctagaaat ccagatgtaa ttgttctgta ctttaagaag     300
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gtggtcctgc tgcaagcttt aatagaggat gaactaatgg aaagacttaa ggagatgatg      360

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tttga                                                                   425
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agctttgttc cgtggtggca cacaaatctt ggcttgctgt accatcattg gcaaacctca      180

tcatatcaca gttgggtgtg tttgtatgtg tgtgagcnct agtgtgtgtg tgtacatatt      240

cgtgtgtatg cacactttgt gtacctgtgt acatggtgat tgtagatgta cctgttgtgt      300

gtaaactctg ttaaaatgaa attngcttcg catttaatgt gcaactttga agtagtgtaa      360

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gcatttccaa cattttaaag gcagaactga gaaacagcta tttgttcaca tacaacactg      180

tgatgttctg cctgaaaatc gattgagtat ttccaaacct attatttttc atttattgtg      240
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tctccatttt ccccaatgca cactcttcct cttatgccca tggctactat aaagagatca    420

atttcccata ttcaagaaat tagtgtttac ttatcaatca atattctgac aaaaacttaa    480

gccaaaaaga acctcttata aggccttgtt tccttctgga tattgagcca atataagatg    540

taccaaatta aaaaaaaaaa tcagagcaag ctccccccg tatctatttt tgcttgcctc    600

tgatgtaaac tgaattaaga ttttaggtac ctggaccttt gagaacgtga cactagcaag    660

gtggtgacca cagagaatag gtacaaaggt cttgaagctt gcttagagct ttgttccgtg    720

gtggcacaca aatcttggct tgctgtacca tcattggcaa acctcatcat atcacagttg    780

ggtgtgtttg tatgtgtgtg agcactagtg tgtgtgtgta catattcgtg tgtatgcaca    840

ctttgtgtac ctgtgtacat ggtgattgta gatgtacctg ttgtgtgtaa actctgttaa    900

aatgaaattt gcttcgcatt taatgtgcaa ctttgaagta gtgtaatatt tatctaaagg    960

ttttcactac ttggctccaa tgtctcccct acgtgttctc cccattttca tgctatctta   1020

ctagtccgt                                                            1029


<210>  15
<211>  562
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (30)..(30)
<223>  n =  a, c, g or t


<400>  15
cccattccat ttttcagatt tttttttttn attatgtagt atcccctgga tataatcttt     60

ttggtgaagg gggatgtctc taatttccac gtggtacccc ctgtcatata caggttatgt    120

atctggcagt ctacagctgc aattcatggc tgtttataaa atttcaccag aacttgtcct    180

gacgtccttt tactttgta aatgattaga aaaaatgctg agcctgagta tgtatttttg    240

tattaagagt tcatttagag agtcccagaa attggcagag ttgattcaac tttctgtggt    300

ttaaatttga atatgcaatt agtagactgc tggtatttca gaagtttgtt gttgcaggcc    360

tcttgtactg aggaggaaat ctggaatttc tttttctatt ttaaattagc gttcattcaa    420

caaacatttt ttgattatcc ctagagtttt ggcacacgat aggaagtcta gaagtgtgca    480

gtctcacctg gtctcgcaag taatgggaat ttttaaacta tgcaggactt agaaggtata    540

ccttcccttc cttcagaatg at                                             562
```

<210> 16
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)..(212)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n = a, c, g or t

<400> 16
aataattgct acctctgggt caatgtgaga atcaaatgag ttagaatagt ggcatatacc   60

attttaatgt ttttatttat tttttaaaat ttattatttt tatttttttt taccatttta   120

atgtttttat taaccactca gcatccccag tgcctgacct atagtaggtg ctacgtatct   180

gcttttgnnn nnnnnnnnn nnnnnnnnnn nnggtatgtt gggtgggggа gggaccaggg   240

gaagggtctg ggactgaggg gatgcctggg tcactgctgc ccactgcctc tacagaccaa   300

caaaggcttg ggccaaaggg ggacatccca gggggcaggg gccgcntccc gccgtgcctt   360

cctgctgggg gtcctcgccg tcgggctggg cgtntcacgt   400

<210> 17
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (616)..(616)
<223> n = a, c, g or t

<400> 17
cacttacatc aacttcataa atgcagccaa tttacaataa acattcccct tgcaacccct   60

cctcccccac ccacctcact ctacctgaaa agatggctaa ttatgttagg gccttgtgta   120

ttcatttatt tgttgtcaaa acccggcggg gtgttagctc tgaaatgggg aaaaggctct   180

gagggcgagg ccttggctgt gaggggctgg aggttttgtg tgtgaagggg ggtagcctgc   240

```
tggtctggag cacgctgata agatgctctt cttttcacag ggctctcctt agattcaaag    300

actaaaaggg ctgactgaat cagaaaaaca aacagacttt cttttttcta taggcaaaga    360

aagaaatgaa tgtgtaggca ttatacagac acaagacccc gggtaccagt ggtatttgag    420

tcaaaggttt cttttgttag tatttagcca ttcactggga aagcacactt ccagcgcggg    480

gacctggtta ccatgagtga ctttgtgatc tcatcctggc ttagcctaaa tgggaagtct    540

aattaatgct ttttataaga ttttgtgatg ttaagcttca accttgcagt tcatattagt    600

ttgttcattt tgatgnaaga attggcagat tttaggtata tgatgcagtt tgattttagt    660

ctaga                                                                665
```

```
<210>   18
<211>   465
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (14)..(14)
<223>   n =  a, c, g or t


<220>
<221>   misc_feature
<222>   (171)..(171)
<223>   n =  a, c, g or t


<220>
<221>   misc_feature
<222>   (339)..(339)
<223>   n =  a, c, g or t


<400>   18
tatgaacaag acanagtgat ttaatacagg gctttattga aagtgaatac agtcttgaac     60

gctaagattt tcagagcatg gatgaaacgg ttggtaagct aggaaggcat gcattattta    120

tttctgtaat acctgattaa gcatcacaaa gcctgtggaa gaaactgtga nattttccag    180

ttgtccctca gaaacattta cttttagaaa caaattttgg cttttttcagc tgtcctactc    240

ttgttttcca ttcccgtatc cctccatgtg ttcatgtgtg acacagttca taatgctatc    300

acatattgat gacaaaactg atagtgatag cttaagagna atgcgaccat atacttaatt    360

atacaaatgg gaatactttc aagtgtaaaa agaggcatga ttcatgttga catcacggta    420

ggagaaaaac tgggtacaaa cggttgctgt accttaaaaa ccaca                    465
```

```
<210>   19
```

<211> 635
<212> DNA
<213> Homo sapiens

<400> 19
gctcgagtat gaacaagaca gagtgattta atacagggct ttattgaaag tgaatacagt   60

cttgaacgct aagattttca gagcatggat gaaacggttg gtaagctagg aaggcatgca   120

ttatttattt ctgtaatacc tgattaagca tcacaaagcc tgtggaagaa actgtgaaat   180

tttccagttg tccctcagaa acatttactt ttagaaacaa attttggctt tttcagctgt   240

cctactcttg ttttccattc ccgtatccct ccatgtgttc atgtgtgaca cagttcataa   300

tgctatcaca tattgatgac aaaactgata gtgatagctt aagagtaatg cgaccatata   360

cttaattata caaatgggaa tactttcaag tgtaaaaaga ggcatgattc atgttgacat   420

cacggtagga gaaaactggg tacaaacggt tgctgtacct taaaaaccac agaagggtaa   480

acgagcccaa ataaatattt ttgcccttct gcgcaataga gtaaaaacaa atgcaatgct   540

ggcctttcta ttcactttac ttattcagtt cctaaggtga cagtaaccgt tttcttccaa   600

gatagtattc agaccatttc caggagcccg tttgg   635

<210>   20
<211>   375
<212>   DNA
<213>   Homo sapiens

<400>   20
aagaggagag aagagagaga gagaggggcc ctatcctcaa gaagcttgcc atctaattgg   60

tatggctggt ccaccttgta gagccacact tgagagatgc catacacatg ccacagatgg   120

ttggtacgtg ttaagctctg tagaaggaga cattaatgtg ggttggagtg atgagagaag   180

gcttcctgaa agaagtggtc tgtagcagaa cctaggtgaa cctaggtgga aataaaatca   240

aatggatagg agtgggaatg ccaggaagta tgttggaagg accttgaaat aggttggaga   300

tggttgggag acctttgtgc aaatcagact gtggagggcc ttgcatgtca gacaaaatag   360

tttgttaaat gaatg   375

<210>   21
<211>   907
<212>   DNA
<213>   Homo sapiens

<400>   21
tagggatatt tgttaacctg atttaaacct aaccatatgg aagagattat tttgtgtctg   60

tgaggctgac acagtagtag tcatagttcc ctcgtgccag gtggcctgta cacaattttc   120

tgtaatcctg agaatccttc atggtaactg ccgctcctgt ctacctttta cagattagaa   180

```
acctgtggct cagagcagcc aggtcacaag gccaagctga ttccgctgat aagtggcaaa    240

gctggaaccc cctcccagga gtctgacttg tgccattcct atgccccaat gccttgctct    300

gtgtcctgta gttctctctt ttcaggaaaa agaaggtaga cctgggtgtc ctgtgttaga    360

agaaaaagca gaattatgaa attcatatgg cttgctggcc tacaaaggaa ctatagggga    420

tagtgaccca gcctgttcat cttaagggtg gtggtgggag attggcagca gaggagaagc    480

ctcagcctgg aaggagagga gctgaaatga atttgtgaag aagcttatgg atcttcctcc    540

cctgagacca ctacaaatag dacacagcag ccatcagtgg caataatcag tggttcgctg    600

ctcatcagaa accaaggtgg gctgataaaa tatcagctag ggtcagccca gctgtcccac    660

ttcaggaaga cctgcttggg agaacacgag cttgcaggcc aggacaggtg gggtggctcc    720

ttatttagtc gtcttaaatt agctccctat ttagttgtct taaatttctt tacttttctt    780

agagaccttt taacaagtgc atttccctgg tgcattgaaa attggacttg gtccatgtgt    840

aatatataac attgcaaagc ccactactgc ctaaggtgtg tgtgctcacc atgctctgca    900

agtgatg                                                              907
```

```
<210>    22
<211>    501
<212>    DNA
<213>    Homo sapiens

<400>    22
tgatgtttat gatcttatga ctgcaggccc ccttgacggc tggatggtga gagaggaaaa     60

gcacagctgt accagaaaga caggcagaaa gaggtcccag gcacagcaga tcccttcagg    120

gtggtggaaa tggagttctg caaagtattg ctgctattgc tgctgcagac tttgcatgaa    180

tttcatttac ctggatcctg gggcccatgc tgctgagagc ttgttccagg tcaaatgtct    240

gggagttcca tctagatcct aaagcaaaga cctggcattc tcaggccatt gccagcattt    300

tttaaaattt gggtggtctt atctccaatg gaaagatctt tctccatgat taccagattg    360

cttgcaactc tcagaagcaa ggataaaaat tacaaaggac ctcaggagtc cagaactttt    420

gcatagaaac aataatataa attgtcctta gatttcccta atcagccact cacagtatag    480

ctaagaacct gcacatctgt g                                              501
```

```
<210>    23
<211>    551
<212>    DNA
<213>    Homo sapiens

<400>    23
tagaaagcag tgatactgcc gcacgcacat gcaagagacc agagaaccag aacagaaggt     60
```

```
aacaaaacag gcctgactat ggtgagaact gagaatgtga caagggaacc acctaagccc      120

acaggactgt gctccagagg cacgcaccct ttatcacact caagagggcg gacatgcttt      180

accaccggag aacggggaaa acaaccgtat tatttcaaca aataatttca aaacaaaaaa      240

caaagaggga ttgaaagaga cttaaaagaa ccataaacca aaggcaatgt gtagatctga      300

actctgattc tttatttttt tgttatttga actctgattc taacaaacca actggaagaa      360

aaaattctaag acaatcagga taatttaatt cctgactaga tatgtgatga tgataaggaa    420

ctaatgtcaa ttttaagatg taataatggt attgtagttt tgtttttttt a aaatgcattg    480

tatagcaagg aagggtctac atatttaaca attctccaat ttctcactga aagtatttaa      540

ataaagaatt g                                                          551
```

```
<210>    24
<211>    206
<212>    DNA
<213>    Homo sapiens

<400>    24
tagcgtatcg tttgttcacc tttttcattc tgagtccatt gctgctttta agaccagaac       60

tcttccttga cacacataag taactttact taatactacc tctgacttta ttttgcattt      120

cctcagcaat attttacacc actctgtttt tcttattcat atgttgattt gaaagttctt      180

aaatgatctg agtgtaccta tagttc                                          206
```

```
<210>    25
<211>    779
<212>    DNA
<213>    Homo sapiens

<400>    25
gattctcttt ttgtccttgt cctttttcct tgccctttgc ccaatttagc cattaccaca       60

ttactagttc acctctttct aactatcacg gctaccactc tgtctaggca ttaagtccta      120

atagctgtgg cctcactttt tatgaatttt gcactcgttt aactgccaga aaaaaaaatt      180

gtgctgattt ttatattctg ctgcagaaat ctccagcttt ataatattat acatcatcca      240

aagctttaca gtagtcttct aatgtctact tccaacttct agcctttttt accttggttg      300

gctattccag tgttcctacc attgttcata acctctgtat ctttcccgta tcgtttgttc      360

accttttttca ttctgagtcc attgctgctt ttaagaccag aactcttcct tgacacacat      420

aagtaacttt acttaatact acctctgact ttattttgca tttcctcagc aatattttac      480

accactctgt ttttcttatt catatgttga tttgaaagtt cttaaatgat ctgagtgtac      540

ctatagttcc aactactttg gaggctgaga taggaggatc atttgagccc aggaggtcga      600
```

```
ggctgcagtg atccaagaaa actatacttc atctctaaaa aaacaataaa ataaaatttt      660

ttaatgcttt tcattgataa atgctttacc agcccttttg taaggttctt tcatttcttg      720

ttgtgcatac ttaataaatg tttgttgctg tctgatcgta gtcattagcc acacatttg       779
```

```
<210>   26
<211>   754
<212>   DNA
<213>   Homo sapiens

<400>   26
tagataattt aaggtttcaa atgaaaatta aaaattttga aaaaatgtgt atatccacca       60

gaatgagttt tacatcttat caataaatac agacttcaga gttactcttt accatttctc      120

tcccatctaa aagttacatt ggttaagaat cagttatttg ccctactatt aaatgtgaga      180

tgtgaggaaa gtaaaaagtc atagagtctt agagtgctgg ggctagagga aatcaaattc      240

aacctcccac ctaacttaag actcatcttg aaaccatccc tataaatgct tatttgctgt      300

tacttaaatg ctcccacagg cagagattat aacctcccaa aggagcactt ttaatttgtg      360

atagcacaaa tgtctaaaaa tactgttttt tactgtaagc tgaaatatgc tttccccagt      420

atctatccat tggctctaat ttggtttttc tttcatccaa aacctttca catactcttg       480

tttccctagg tctttttttc cccgctattt ttgagattgt atagtttcta agcccctcat      540

catcttgagc tctcttctgt tttttttct ccccgcctcc ccaacctcca ggttcagctt       600

tgactgtaga gttttctttt cttgatccat ttaagtttac atatgctatg cctagaataa      660

actctagact gcaggggacta gcctcattag tgtgaaatgg tagtaggcat tctgatttcc      720

ctttaaaaag gactatactg gctgggtgca gtgg                                  754
```

```
<210>   27
<211>   162
<212>   DNA
<213>   Homo sapiens

<400>   27
acaaaacaaa cccctcaaac ctcaatagaa gagttgtaaa caaaagcaaa ctcaagttcc       60

taccaattat tattaatcat tacattatac aaatttctat tggttttgtg cgactatgtt      120

gtagatcaga atatcaactt ctagtttaag ataacagatt ga                        162
```

```
<210>   28
<211>   494
<212>   DNA
<213>   Homo sapiens

<400>   28
```

```
tagtaacctt agaaatcaca cagctacatt ctgttggtta caagcaagtg atactcctgc      60

tttaacataa ggggtggaaa aaaataaagc tcaactcttg aaggaagtta tgtcaaagaa     120

tttccagcat ttgttctaga aacaaaaaca agaacaacaa aatgttggca tagtataagc     180

aaccgtcttc cttcttgcct ggaatggtta aagtgagtga agaggtgtga gaggggaatat     240

gaattaacag acaattacaa tatactataa catacaggtg ataagaaaca aatatgtcga     300

aactataatt ggatcacagt agaggggcat gtttatcttg gccaggagat tcaggaaagg     360

tgggtgagag tccatcagat gaagaaacgt agggaagaga tttttaagtg gaaggaataa     420

aagcaatctc ttggtgtgtg caatttggta aagtgggagg aggagagtgg cagataaatg     480

tggaaaggag gcca                                                       494
```

<210>   29
<211>   749
<212>   DNA
<213>   Homo sapiens

<400>   29
```
gggatattgg ccaggagagt ttcaaaggct agggttgcaa gacagctaga ggccagaatc      60

acatagaggt gtctttagtg cctgctggtt gatgcagaca ccccagtggg gcctcaacgg     120

agcacctaca cctggcctct tcctatagcc tgggcttcct cacagtgtgg ccacctcagg     180

gcagtcagac ctcttaaaac aaggccccca aaacaaacgt cccagggaac aagaaaaact     240

ggcatcactt ctttgaccta accttagaaa tcacacagct acattctgtt ggttacaagc     300

aagtgatact cctgctttaa cataaggggt ggaaaaaaat aaagctcaac tcttgaagga     360

agttatgtca aagaatttcc agcatttgtt ctagaaacaa aaacaagaac aacaaaatgt     420

tggcatagta taagcaaccg tcttccttct tgcctggaat ggttaaagtg agtgaagagg     480

tgtgagaggg aatatgaatt aacagacaat tacaatatac tataacatac aggtgataag     540

aaacaaatat gtcgaaacta taattggatc acagtagagg ggcatgttta tcttggccag     600

gagattcagg aaaggtgggt gagagtccat cagatgaaga aacgtaggga agagattttt     660

aagtggaagg aataaaagca atctcttggt gtgtgcaatt tggtaaagtg ggaggaggag     720

agtggcagat aaatgtggaa aggaggcca                                       749
```

<210>   30
<211>   507
<212>   DNA
<213>   Homo sapiens

<400>   30
```
tagggcctaa cgtgacagag gctgctgcat ctgtggcacc tccaaaaagc ctggaatgtc      60
```

```
ttatgagact cggctataca gttacccaat ttttgctgga catttaagtg atatcattag      120

ctatgtgatg tttattgcaa cactagataa aactttaaaa acatttttaa gtttaggagc      180

caaatattcc aaccagggg acagttttgc ttatttagtg gttaagtgaa tgggtttgg      240

aaccagaggg atatgggttc aaattctgcc tttataatta ctaatagagc tgttgaaagg      300

attagttgaa ttaggcatga aatgtattaa tgaaatgtaa tgtctcatag caaatgctca      360

ttcactcatt catttagtaa ataataata atggcacatt tacaatgtga caggcagtgg      420

tctgggtgcc gttgatacag caagatcaag atctggaaag tccatgctca cagggagctt      480

gtattttagt gaaaagagcc agaaata                                         507
```


<210>   31
<211>   418
<212>   DNA
<213>   Homo sapiens

<400>   31
```
gaagaaacat gttggagggt caaacacaca tctccttggg ctttctttca tctgtcttaa       60

aaacaaaaat ctctccttt ttaatcatct cctcctgtaa aaagggctaa tcttttgtta      120

gcagcagcct cccatggcac agcatctcag caattaatac aaaaaagcaa ggaagatgca      180

ggtagaggag ggggcctcta gctgaacagg aagagggcct gggagtcagg aaggaagggt      240

gaaggatggg agagggaag ctgaccggct ttccctggag cagggagcaa cagatggcag      300

ctgcaaggca ggccaggcac gggtctcaga gaaaacgtcc tattgggttc agggtttgga      360

tgcagatcta taaatgtggc cagaaaatcc aaactagttc catcaaggag ggtgcaga      418
```


<210>   32
<211>   863
<212>   DNA
<213>   Homo sapiens

<400>   32
```
gggctacaaa gaggtgttgg agggaggaaa cctggagaag cttaggcaca gccttctggc       60

tgccttccac agagaggtgc aggagtccca cggtagttaa ctgggaccgc cctgctggga      120

acttcaggtg tctctgcccc cgggcaagga ctctactgag actgaggaga aacagaaaac      180

aaaacctggc cctttcagct tctctgctgg tccctgggag aggcacaagg ggcctgctga      240

gtggagtgac cttgagaagg tcgagcaggc ctctgaagtg gtgcagcggc acggggcag      300

gggagcggca tgagccataa aggaaatatt gtctataaaa gccccgtttt cccttcttc      360

tggagcaggc acaaggcact gacttcattt tgcattcata aagcctgcct ttggaagcgc      420

ctttaagaac tgctgcagga agcctgaaga aacatgttgg agggtcaaac acacatctcc      480
```

```
ttgggctttc tttcatctgt cttaaaaaca aaaatctctc ctttttaat catctcctcc    540

tgtaaaaagg gctaatcttt tgttagcagc agcctcccat ggcacagcat ctcagcaatt    600

aatacaaaaa agcaaggaag atgcaggtag aggagggggc ctctagctga acaggaagag    660

ggcctgggag tcaggaagga agggtgaagg atgggagagg ggaagctgac cggctttccc    720

tggagcaggg agcaacagat ggcagctgca aggcaggcca ggcacgggtc tcagagaaaa    780

cgtcctattg ggttcagggt ttggatgcag atctataaat gtggccagaa aatccaaact    840

agttccatca aggagggtgc aga                                           863
```

<210> 33
<211> 639
<212> DNA
<213> Homo sapiens

<400> 33
```
tagggagtaa catcatatcc cccagtggat attatgaaca gtatcacaga ggggtgtata     60

cacactctgc cttataggga gtaatatact cctctcccac cctggatatt acaaaaaata    120

tcacagaggg tgtacacaca gggtgtttat ggtattggaa gtagtattat ctcccccatg    180

gatattacta ataatatcac aggggtgtgt acatcccctg tgatacaggg agtaatatca    240

tcctttccca gcctggatat tacaaacaat atggcagggg gcagtacacc cttgcgatgt    300

gtgtagtaac atcatctcct cccagcgtgg atattgtgaa caatattcta gggggttgta    360

caccccctgc aatatgggga gtagcatcat cctcccccccc actggatatt ataaacaata    420

tcacaagggg gtgtacactt cctgtgataa agggagaaat acagttcttt ccccccccaga    480

gatattatga acaatatcgc agggaattgt tctcccatgc tatatgggga gtaacatctt    540

catcttcccc ctggatatta cgaaaaataa tgcaggggaa tgtaaatccc ctgcgatatg    600

gggagtaaaa tcattctctc tggccaggag cggtggctc                          639
```

<210> 34
<211> 228
<212> DNA
<213> Homo sapiens

<400> 34
```
tagatacaaa agtatattat atacaactga ttagagttta taatttcttt tttcagaact     60

aaatgtttta tcaacattta atttcccata atattatagt attaaatgtt cacataaaga    120

aaaaccagaa gagactatgg acatttataa aacaggatta cactaaacag gtcccaataa    180

gttttaaaag attaaaatca taaaaagtat cttctatgac cacaatag                228
```

<210> 35

<211> 131
<212> DNA
<213> Homo sapiens

<400> 35
cctagacctt tccaaatatc attttatttc ttgtttatcg atatctctta taagtggatt   60

cagacaatat ctggtttttg tgactaccta ctttatttaa catgttaaga tttatatttt   120

ttacgttacc t   131

<210> 36
<211> 533
<212> DNA
<213> Homo sapiens

<400> 36
gtgaaatatg taacaaatta attatggggt atatcatttc tgtgacaatg attcaggcta   60

cttagattct aagagttcag actggtatca aagtctcaaa tgtctactgt ggttcacttg   120

tattcctgct ttaatcagtc ttttgaaatt cagtatgtta ataaggtttc aaacaatcct   180

gaaagtttga aatgtacaaa cattcaagta cagtttattt tctactttaa aagaaaagta   240

aaagaactac actgtcttaa tgggttttct gtttacaata aaagatatat caatgatttt   300

aaaaataaga aaagcaaaat agaatcttag acaaaaaaac ctgtcataat gcaatggtga   360

aatataaatt taaattttct gagtaattgt tgaacatgta tattatgaga aatagcactt   420

tgtaaacatt taaaatattt ttattgaaca atgtggttgc cacataatgt cactatgaag   480

tcactgactt ctgtgtattt tctcattttt atatatttaa atttataact tca   533

<210> 37
<211> 667
<212> DNA
<213> Homo sapiens

<400> 37
ataatgcata gagatttatt tgtatattag aatcctctat tgttttccag aaagcagaat   60

gttaccaagt tttctataca gctttctaga aatcagcata ctattaggta tttattgtgc   120

tgtttgtggt gtgtgtgaaa tatgtaacaa attaattatg gggtatatca tttctgtgac   180

aatgattcag gctacttaga ttctaagagt tcagactggt atcaaagtct caaatgtcta   240

ctgtggttca cttgtattcc tgctttaatc agtcttttga aattcagtat gttaataagg   300

tttcaaacaa tcctgaaagt ttgaaatgta caaacattca agtacagttt attttctact   360

ttaaaagaaa agtaaaagaa ctacactgtc ttaatgggtt ttctgtttac aataaaagat   420

atatcaatga ttttaaaaat aagaaaagca aaatagaatc ttagacaaaa aaacctgtca   480

taatgcaatg gtgaaatata aatttaaatt ttctgagtaa ttgttgaaca tgtatattat   540

```
gagaaatagc actttgtaaa catttaaaat attttattg aacaatgtgg ttgccacata      600

atgtcactat gaagtcactg acttctgtgt attttctcat ttttatatat ttaaatttat      660

aacttca                                                                667
```

```
<210>  38
<211>  800
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (230)..(534)
<223>  n =  a, c, g or t


<400>  38
cttctccata tcctccctac cttgttatct tttttattgt aactatccta ggttttgtga       60

taaggatgca aacagaaagc tggaggtctt cagggaccta gtgaatgaag ttgtgtccta      120

ttttggcttg attttggttt tccgtgtgca tagtatgaca tgttgcccat gtttttatct      180

tttgggatct gtcactatca cattactttg ccaaatgtta ggaacctgan nnnnnnnnn      240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntgttag      540

gaacctgaat atctaaatca agctttaaag aagcatttgc tagctatgct caatgtttca      600

tcttcactgt aataataaaa tagattgaga aaaatgcttt cttttaaata aacgtaagta      660

aaacaatttg aaaacgtttg ttcttatcaa acagcctttt gttcccttga tattttatac      720

aaaatagtag atagcagagg ataagttcct gataaggaat cagtattttc tagcaggaaa      780

agctagagaa caacaacctc                                                  800
```

```
<210>  39
<211>  748
<212>  DNA
<213>  Homo sapiens

<400>  39
tagcattgtt attactcata acatttttaa aaatatactc aagggtggag atttttttaa       60

aaataagtgt tattgcttca tcaagaacag ttaaatgaaa ctggattttt taaactgagt      120

ttgagttaat gaagaatgca gcaattatta gtaaaatttg gtgctccacc ttgattcata      180
```

```
ctgacactcc aggagtttta cccactattt cttttgtacc tttagtgcaa atgttaatat      240

ggtaggaatg gtaaatgaca tctttagtat tattataaaa aatcgttttt accctgtata      300

ctctttgaga ctacacattg agaattgctg atgaaggtgt tttaatttat cataagcact      360

gaaaagattt acttaattca ccaatttctc ctgaatattt gtttatataa aacaagacta      420

tgtgtataca cctacctttt tattaatggt agagatctag gaaaattaat ttctaagaac      480

tagccaggat atttggaatg tgaataaatc atatatccag aaaaaagctt tagaagattg      540

tctatggatt gaaagtccaa acagctctca tttctattat actgttcttt ttcaaagaat      600

ttaccaattt tatgtggtat ttatgattaa acatacacca tgtaatttaa catttttaat      660

gtcactttta catcataggt attaaagatt agcatttttta ttgtctgtat tttaaagctc      720

aaagaataac atttaggctg ggtgcggt      748
```

```
<210>   40
<211>   612
<212>   DNA
<213>   Homo sapiens

<400>   40
tagaggtaaa cattttttgct taggagtgtt ttacatgcca atcacttttg gcaaaatttg       60

gttagaaact acacattata aaaccttgtt ggaaatacat taaggcagtc aaatgcaaag      120

ccccagaatg atagaggact acttgttgct agatcagcat gctgtgtggc gctggagaag      180

gaattcattt cggtttaggc aaaagccaag ctatctgagt ttatactaca taaatttttt      240

catgacaaga gttgaggtca atgttttgaa gtgataaatg ggtgaaggta aatggctgta      300

tcaaacaatt atcaggttcg gaagactaag gaaatcaaca gaaacaagta aaaacgcact      360

gcgtttgctg acacaataaa tattgctgcc taataaaaca gagctgagag agggtgtatt      420

atgattgcat atttatgggt tgctgtgttc attgatgatc ttttagtaaa taatttgttg      480

aaaagaagct ttcagtttaa attttgactc agttgtagat ttacaaatgc agtgtgtgtg      540

tatgtgtgtt taatcttcct ttgttatttt ttcttatctg tgtaatgtga gtgaattatt      600

ttatcttatc ta      612
```

```
<210>   41
<211>   234
<212>   DNA
<213>   Homo sapiens

<400>   41
tagatttaaa agtcaattat gaattggcta aggggattgg agaactctgg catgtaatac       60

gcctctcatg cttctatttg ttaccaaatg tctggaatga gaaagtgtcc atgatgggaa      120
```

atagcccaca gaagtaccat accattatta aaccgaccag acggaggccc taggtcactg   180

ggatacgagc aaactgtgct ggggttcagt gggtgggtta ggaggctggg gaga   234

<210> 42
<211> 823
<212> DNA
<213> Homo sapiens

<400> 42
atttaaaagt caattatgaa ttggctaagg ggattggaga actctggcat gtaatacgcc   60

tctcatgctt ctatttgtta ccaaatgtct ggaatgagaa agtgtccatg atgggaaata   120

gcccacagaa gtaccatacc attattaaac cgaccagacg gaggccctag gtcactggga   180

tacgagcaaa ctgtgctggg gttcatgtgg gtgggttagg aggctgggga gagcatgaca   240

ggggatgtgc agacagacaa ataaatccga taataaagca gaagctcaga actgtccaaa   300

atgatgactg aaagccagca gcccaaggag aggctgctct taacagccag cccccaacgc   360

ttagggctgt gctctgcacc aacctgccct agtgtcctgg ggagggaacg taaacagttc   420

agcgctttct atttaactgc aaagtgctca tcttctgagt caccgaggca aagaagcagg   480

ctggaaagta gtaataatcc aatccaacag aattatctgt tgaacagaaa atcccctttg   540

gaatttgtgt ccttggaacg ttccaaatgg aaaatgagag ttttcaggtg ggaaagcaag   600

gcatggtttc atgagtcagg gtgactctgc gtttgcatga agggccgcag aaaagcagat   660

tatgttaacc ttgaaattag ccaggagcga atggcaaatc tttgttaaca agcttggagt   720

ccacgataaa ttttaaaagt gcaccgcaat gagcatctgt aataaatctt ccgttgcctc   780

ctggttcagg tctggacctg aaaaggataa aggggccggg cgc   823

<210> 43
<211> 589
<212> DNA
<213> Homo sapiens

<400> 43
aaaaaggagg aacaacatca catttaagct ttctccttgc caaatataat aaaagtttta   60

aaaggacagt cttaaagtta tctcattagt ttacttccct tcaaaaacac accacatacg   120

tatgactctt aaagttgttt gggaccaaaa atgagttacc atttaattac ctctgaattt   180

tcatcacaat cagatgggtt acttatttga ccttttctcc taaagctctt cttggaatat   240

gtcaacaatg tgtaactaca gggaataatg ccaaggaaga agcttttctt gccttgagtt   300

acaggcttgt tcttggtaaa attacttacc ttggtttgtt ttgttttttc tctttatttt   360

ttttcccagt taaatctgat agagcagata tacaagttag cccttgggtt attaatgata   420

```
aatggaaaaa cttaatccaa aagtagaaaa tgaaacgata ggtaccttgt agatttaatg      480

attttttaaaa gttattttgg tgctgctgtt tgttatctcc ctctcgcgtt ttgcatgaaa      540

agacatagtt taagtatttt attaagagaa gattgaggcc aggcacagt                   589
```

<210> 44
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)..(165)
<223> n = a, c, g or t

<400> 44
```
taggaaaagg ttaagtagct ttcatgagta tagtaattaa tcacttaaag attttatcag       60

ccatctaagc aacagccttt ctgccaaaaa taaggtagaa gccttcattc ctttctcctt      120

tatctcttcc actnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnggcaa ttgcaggtat      180

attcttgttt cttttttta tcagagctca tttaggttta ttgcccattt ttctatctaa      240

gaaaagagct actggccaga ggatattgat attacttcta aaatgaatgc cattcttgac      300

tgtcagtcct ttgaaaattt aactttagtt tttttggtct tggcaaagac ttgttgattt      360

ttaaattggt tgtagaaagt tttcttagag ttgtagaatt tttgagttgg aaaagacctt      420

gggagtcaca tagtttcttt aataaaattc ctgatagatg attattcaac ttgattaaag      480

tagtactatc tgctctgaat taaaatttag aacaaaaatc acctgccgtg ccactacaca      540

tggacataat caactgctaa attatgattt gttttcttcc agttactttt ccaattattt      600

tacatataca aatattttct tggtagaaga acaaagtgg cactattca                   649
```

<210> 45
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)..(115)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n = a, c, g or t

```
<220>
<221>  misc_feature
<222>  (196)..(197)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (205)..(206)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (209)..(209)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (213)..(214)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (238)..(238)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (255)..(255)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (259)..(259)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (269)..(269)
<223>  n =  a, c, g or t
```

<400> 45

```
atgttattgt ttttcttttg actacttgtt ggatgtttct ccttatcttt catttttagt      60

tgtttgactg tgtgtgaatt tcattgtatt tatcctgttg gaattcattg agctncttaa     120

tttcagggat ttaggatttt catcaaactt ggaaatcttn aggtcaatat ttctttgtca     180

tttctttttc tttttnnttt taacnnccna ggnncttaag ggcaatattt tttnaatntt     240

gtnttactgc attcnctcnc ccttccccnt ttt                                  273
```

<210> 46
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)..(93)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (700)..(700)
<223> n = a, c, g or t

<400> 46

```
ctgttcttta aaagagtaac aatcatttcc tcaatagctt ttcagctctt catacccagc      60

aatagttctt aggtttttata gctgatactt tgnatcatgt taattatggg tgacaaccct     120

gaacaacaac ccaaagcatc tatcagcacc tatccatcag tgattaactc agagtaggct     180

ctcaatgtat tttttgaata aatgcttatc atcgattata atgaagatca caaattgtgc     240

tggaacctaa ccagttatag attccttgca tggatataag aatgataaga gttacaatta     300

aagtgttata acactgagtt gtgtgtccta atccgaaagt attcttgctt ccatatagta     360

gagaaaattt tttgtgatgc agttacagtg cttaataaag cttcatacat ggaaactctc     420

agtaaatgct tattgttgtc attattggtg taaattaaat ctgaatatta gttcacatat     480

ttaagtggcc cttttggtat ccgttttcac tcttcagatt ttttttctct cattttttgg     540

ggggaagact cttctttttt tcaatgctgc tcaagatttt ctatttttta aattagagaa     600

ttttctatta ttgttgctac cttccttaga tgataaatca gtagcaagct gactggtttt     660

tatcaaaatt gatgttctga tattggagaa cacagaactn ttagatgtta acctgg         716
```

<210> 47
<211> 97
<212> DNA
<213> Homo sapiens

```
<220>
<221>  misc_feature
<222>  (94)..(94)
<223>  n =  a, c, g or t


<400>  47
cttgcccctg caagttttat tcttggagct cttatgagta cgtctatgat ctattttgag      60

tatgatatga ggtaggggtc catttcattc tttngtg                               97



<210>  48
<211>  699
<212>  DNA
<213>  Homo sapiens

<400>  48
gaactttttt tttccatgtt tcttgatcct atctgttgat gagggctgga agttcaagaa      60

agtataaatt taaattattt taacctgaaa aataaagcca gagaacttga ttgaaaagca     120

ccccaaagac tgtgttgaaa tctgcattgc aaatactgat ggaaacttat ccttgttttc     180

tttgttttat gcattacttt accatcttgc catagtcatt agctttgcac ctatttaggt     240

tacagcataa aatctaggaa ctccactttg aagggatcat ggttattctt aattagaaat     300

tgtcaattta gccttaagta ttttattttt tgaaatgttt tatgataatg tgaagtaaac     360

catgccatta tttctcattt ttcccttggt taacaaatta ggatatacaa atcttcaaat     420

tacctttaag gcttgtaaac attcaaatct tttatccgtt agtcaagtta tttcataaac     480

ccaacattgc ctctgaaatg gctttacaca caaagaggat tttaccataa aatgcttgtg     540

gtgtttcatt ctcttctgat tttttgtagg ggaagggggt tggagagtag gcagagtata     600

aattaatttg gatggtgttg gtttcaaagt agcattccat gtaattctgc agaaagtatg     660

ataaataaga aaatgggcca ggcatggtgg ctcatgcca                            699



<210>  49
<211>  1364
<212>  DNA
<213>  Homo sapiens

<400>  49
gtcatttgta gaggctagag gttagtgtta ttaataagat atctagttca gtcatattac      60

ctaggcaaca ggtaatgttt tagatagtga atggtgagtt atttgatctc aaagaaatca     120

atatgtgaaa taggatgtac ataacttcag aagttgactt gtgaagtccc tattttcttt     180

ggctggtcat taggctgcta agtagaatga ctgacttttg tatggttttc ttccacaata     240

gtgctttttc tttcggttcc ctacctatga acttttcctg aactttccta caagtttaaa     300

aagttgttat ggcctctcta tacagtagac atccaattct ttgttaactg gaaaaaagtt     360
```

```
tcagaagttt aaatttgaag taacaggaat tggtccaaaa tatttgttgt tgctcatgtt      420

ttaaataagc gacattggat tatatcagca ctgggataat tcccattagg tattatgact      480

gcaatttaca tgcaattgga aattagtgat tgagagggaa acagattgcc aaattatctt      540

ccaaaaaggt actccccact ccatatcctt gctaataaca agtattataa ttatttaaag      600

tcattgccaa cttgataggc aaaatattgt cttgttctaa tgttcatttc ttctattgtg      660

aaggcgaact ttttttttcc atgtttcttg atcctatctg ttgatgaggg ctggaagttc      720

aagaaagtat aaatttaaat tattttaacc tgaaaaataa agccagagaa cttgattgaa      780

aagcacccca aagactgtgt tgaaatctgc attgcaaata ctgatggaaa cttatccttg      840

ttttctttgt tttatgcatt actttaccat cttgccatag tcattagctt tgcacctatt      900

taggttacag cataaaatct aggaactcca ctttgaaggg atcatggtta ttcttaatta      960

gaaattgtca atttagcctt aagtatttta tttttttgaaa tgttttatga taatgtgaag     1020

taaaccatgc cattatttct catttttccc ttggttaaca aattaggata tacaaatctt     1080

caaattacct ttaaggcttg taaacattca aatcttttat ccgttagtca agttatttca     1140

taaacccaac attgcctctg aaatggcttt acacacaaag aggattttac cataaaatgc     1200

ttgtggtgtt tcattctctt ctgatttttt gtaggggaag ggggttggag agtaggcaga     1260

gtataaatta atttggatgg tgttggtttc aaagtagcat tccatgtaat tctgcagaaa     1320

gtatgataaa taagaaaatg ggccaggcat ggtggctcat gcca                      1364
```

```
<210>    50
<211>    235
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<222>    (35)..(35)
<223>    n =  a, c, g or t


<220>
<221>    misc_feature
<222>    (153)..(153)
<223>    n =  a, c, g or t


<400>    50
aatatttgtc acgctcctgc cagggccctg gcagnagcag aggcggtgtg tactgccatg       60

cattcctggt ctgttgggtg attgacacat acaagacgcc agcggtcctg agagtcaggt      120

gccttcctgg accccttggt gagcggagga gcntcctacg cgttctggaa gaattcacat      180
```

gctgatttgt aggcggcctg gccaggtgct tcggagactc cagcagcatc gaagc   235

<210>   51
<211>   412
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (388)..(388)
<223>   n = a, c, g or t

<220>
<221>   misc_feature
<222>   (404)..(404)
<223>   n = a, c, g or t

<400>   51
ctctgaaatg gtctccttgg atcatgggca gagatggtac gatgggatcc cacccgaggg   60

gtcccggccg gtgctcacgg ggctgggacc agctgctctt actctgtttt tctacctttc   120

tcagccactt ggaggaagag agaattttgt taccttttac aggcaagacc actgaagccc   180

tctggtcatc agcaggaatg caggggcgcc tatggcaggc cggactccag gtcaggcctt   240

ggggcagtga ggaagaaggt gcatgccagg agctgcctac gcgttctgga agaattcaca   300

tgctgatttg taggcggcct ggccaggtgc ttcggagact ccagcagcat cgaagctcag   360

atactctggg ggaagccagt caccattnca cgagggaagt tcanctaccc ca   412

<210>   52
<211>   503
<212>   DNA
<213>   Homo sapiens

<400>   52
acttcctctg ccacctgctg ctcatattgt ttgccctctt gggccatccc cattgccacc   60

acctctgcat gggctcccaa atcctgcctg gctgcttcct gtggtggctg gcaagcctag   120

aagagaacat tcatccagtc agtcaacata catttcctga gcaccagatc tgggccaggg   180

gcaggtgtta gaagatctgt caggcacagg cctggccccc agaggcacag tgttttgaag   240

ggtaggtcaa ccatgagtgg tgggagggca gtggggccta tttattgggg gcacagagga   300

ggaaggctta tccttccaag gaggtgaaat gctagtaaga gttaagttga gtaaggttgt   360

ttccacgaaa gttgtttttt agctggagaa agtgatcagt ttggattctt acacgtacta   420

gatgctcagc gaggccttga atggtggcac tggttctcaa agtgtgatcc tcaaaccaac   480

atggatttcc tgggaacttg tta   503

<210> 53
<211> 597
<212> DNA
<213> Homo sapiens

<400> 53
```
acttcctctg ccacctgctg ctcatattgt ttgccctctt gggccatccc cattgccacc      60

acctctgcat gggctcccaa atcctgcctg gctgcttcct gtggtggctg gcaagcctag     120

aagagaacat tcatccagtc agtcaacata catttcctga gcaccagatc tgggccaggg     180

gcaggtgtta gaagatctgt caggcacagg cctggccccc agaggcacag tgttttgaag     240

ggtaggtcaa ccatgagtgg tgggagggca gtggggccta tttattgggg gcacagagga     300

ggaaggctta tccttccaag gaggtgaaat gctagtaaga gttaagttga gtaaggttgt     360

ttccacgaaa gttgtttttt agctggagaa agtgatcagt ttggattctt acacgtacta     420

gatgctcagc gaggccttga atggtggcgc tggttctcga agtgtgagcc tcaaacctac     480

atggatttcc tgggaacttg ttagacatcc aaattcttag gctctatccc taatcctctg     540

catcaatact aagagatctc ttttataaaa cccttcagg tgattatgac gccgcct       597
```

<210> 54
<211> 482
<212> DNA
<213> Homo sapiens

<400> 54
```
ctcacataca ctgagtatgg ttatatatca ggaactttat gatattttat tcactgattt      60

ccccctttt ttctcctgag gatttaagat agaggcactt gccatgcatg attgcatttc     120

atcctcacga cagccctgca aagtagggaa ctgaagtttg gggcaagtca catagctagt     180

gtgatgtgga gtcaggattc caacttgcta tccttatctg ttgcttttta tattttctat     240

ccttatctga tgctcttcct caccactcat tcttttccca acatacctag ctctttcatg     300

cctccaagct cttccatgac ctatccctga agcagttata tccactgcag gatatgtctc     360

tgcaggaatc tgctgatcct ttatggccca gtttagctga agtcttactg ctgtgggtga     420

cttctctaac atgctctgca gaagaggcaa agcatttctc attttttgg tgcatgttct     480

ct                                                                    482
```

<210> 55
<211> 640
<212> DNA
<213> Homo sapiens

<400> 55
```
gctgggctca tatattatct ctttattccc agtactagaa tggcacaaga tacacaggag      60
```

```
tgtagtaatt ttgactgaac gatcaaatga gtgaagccaa aagttatatg atgcagtggt      120

taagaaccca ttctttggaa ttcaaattgt ggttctggca catattggct atgtgacttg      180

aacatgttac ttatcttctc atcctgaatt ttctcttctc agaatggagt tgtgagtgtt      240

aaaatgagac catgtaagta agacatttag catagtgcct agcacatagt atgcacttga      300

taaaggtgct gaaaaccggg ggatcctgga gtaaagacta ggcctggccc aggacagtga      360

tctcccgaaa cccctcctca ttgttttgtg aatgcgtagg cagtgatgca gtctgttagc      420

agggagatta taatcttgtt tggaaagtag aattacatcc acattaaaca gtcagagaac      480

tgtgaaggta gtttgaccac atccaataat aagatgtaga gaagagaaga cagctcaatg      540

aaggctttag ggaggaggtg aggcttgaaa gttaaatagg atttgggttt taggagaaag      600

gaataccagg agaccatatt aagaatgact taggccaggt                           640
```

```
<210>   56
<211>   256
<212>   DNA
<213>   Homo sapiens

<400>   56
taggtttaca cccaacagaa acgcatctat atgtgcacca gaagacacat tcgagaatgt       60

ccatagcagt ataatttata atagtagaaa cattcagatt ctaataagag tggaaatgga      120

taaataaatc ttgttataat ttgtaacaat ggaaatatta acaataatga aaataaacaa      180

gccagacatg gtgcctcacc tgtaattcca gtgccttggg aggaccaagg tgggaagatt      240

gttcaagccc tggaga                                                      256
```

```
<210>   57
<211>   305
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (76)..(76)
<223>   n =  a, c, g or t


<220>
<221>   misc_feature
<222>   (79)..(80)
<223>   n =  a, c, g or t


<220>
<221>   misc_feature
<222>   (84)..(84)
<223>   n =  a, c, g or t
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<220>
<221> misc_feature
<222> (89)..(89)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n = a, c, g or t

<400> 57
ccgagcccgg cccatgtcag ttatttaatc ctcttgaaag tctgtgaggt tgctgttact   60

ctccccatta aaaaanaann aacnaaacng aanttcnttt ctcaccatcc tggaggctgg   120

gatgcccccc attttacaga tgaggccagc agggttgaaa gcaggtagag aggtgttggg   180

ganatgtcat gcccagggct gctgtctcct gagtgcacag cctttctgca aaacctcctt   240

gcctccccag caaagctgtt tcctccctgg ggaggggana gtactgattt ccgcctttgg   300

aggga   305

<210> 58
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (71)..(166)

<223> n = a, c, g or t

<400> 58
tgaatgggat tagnaacaac tttcctaaga agaggccaga gagctagctc tttccaccag   60

gagaggatac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttc tgccctctgg   180

ggccaattcc accactccct ggaaagtgat gtgatgaccc tgggcttgag tccaaa   236

<210> 59
<211> 506
<212> DNA
<213> Homo sapiens

<400> 59
gcaaccagct tgcaaagttc ttgaatattt aacaattagc ttctgctagt tgcgccacac   60

accaccttaa caggagccat tttgtaggag tggtggagat tggagtagat ccataagaaa   120

tgaaatgaga attggagaca gtgagtacag acatttttaa ggagttctag tataaagaaa   180

taaggtggga actgaactat gacatgtagt caagattttt ttttgtattt ttaaaataaa   240

aaatacagtg gcatgtttgt atgcagatga gaatgatcca attagagggg gaaatcaatg   300

aaaaaggaga aagcagggag aattgctggg gtgaagtccc tgggtgggaa agaggagggg   360

gttctaatgc atagggagag ggtagtttca tctccagtaa cagtgtagta atagcagaga   420

ataaaagtag ccctgtccaa ttaagtgtaa tgtgagccac aaagacaatg taaattttct   480

agtagccaca ttaaaaagta aaacac   506

<210> 60
<211> 2062
<212> DNA
<213> Homo sapiens

<400> 60
tttttttttt ttgagacagt ctggctctgt tgcccaggca acagagtgca ggggcatgat   60

ctccgctcac tgcagcctcc atctcctagg ttcaagcgat tctcctacct cagcctcccg   120

ggtagctggg actacaggca cctgccacca tgcctggcta attttgtatt tttagtagag   180

gcggggtttc atcattcttg gccagactag tctccaactc ctgacctcaa gtgatccact   240

ccaccttggc ctcccaagag tgctgagatt acaggtgtga gccaccatgc ctggcgtgtt   300

ttactttttta atgtggctac tagaaaattt acattgtctt tgtggctcac attacactta   360

attggacagg gctactttta ttctctgcta ttactacact gttactggag atgaaactac   420

cctctcccta tgcattagaa ccccctcctc tttcccaccc agggacttca ccccagcaat   480

```
tctccctgct ttctcctttt tcattgattt cccctctaa ttggatcatt ctcatctgca    540

tacaaacatg ccactgtatt ttttatttta aaaatacaaa aaaaaatctt gactacatgt    600

catagttcag ttcccacctt atttctttat actagaactc cttaaaaatg tctgtactca    660

ctgtctccaa ttctcatttc atttcttatg gatctactcc aatctccacc actcctacaa    720

aatggctcct gttaaggtgg tgtgtggcgc aactagcaga agctaattgt taaatattca    780

agaactttgc aagctggttg ttaaactgtt tgtagctgga aattgactat gatgggaata    840

tttccacagg gaaatttagt aaacactacg aatcaggatt ttgctgttgt cactgctttt    900

cagagagcca gtttaccagg acaccactga ttgaaagtca ccaatgactt tcacctgact    960

cagtgatcaa ttacagtctt cagcttaact aatttattgg cagtatttga caacaaactc   1020

tttatctgac aaataaactc ttcctccttc ttaagttctt tcttcactag ccttttgggg   1080

cactattttc tcttatgttc tctccctcat tctcctctgt ctccttttct gcttccactt   1140

catctttccg acctctagat attggagtgt tagcactctg ttcaaacgcc tcttcttttc   1200

tttagctata cttctgctcc aggtgttttc tttcagcctt ctagccttaa atacataaat   1260

gtacactttt aagccagccc ttgcgcatga attccagctt acttattccc ctgactactt   1320

ggcctctccg cttggatgtc taataggcat gtcaaactaa aaggtccaaa atgaaacttc   1380

agttctctcg cctcttcttt cctcagtaac caaaaatgac actccaacaa tatccctcca   1440

gctcaataaa tggcagttct agctgcacga gtcacacatt ttgagtgatc cttggttcag   1500

ttctttcttt gacaccctac atccaacgta ttggcactac tcttggctct gactttaaaa   1560

tatatctaaa atccacactt ttccccactt ttactgctac tagcttgcta gtagctagta   1620

actagctcca agcaaccatc acttccaact tgtgcaacta tgcaataaac tatgcaacat   1680

atctccatac aatgtagacc cagagtaagc ctataaaaat gagctagatc ttcttatact   1740

tctgcttaaa acactttgct gcctgtctta cttagaataa gaccaaatct tcgtattggt   1800

ctacagagcc ctacaaggtg ttcctgctac ctctcagaac tcatctccca tcactcccac   1860

ctagtttact ctggtcctgc tagagcctcc ctgcaattcg ctcagagact ttgcacttgc   1920

tattccctct acctgagaac tcgttatcca gacagtttca cggctcgctc ctttacttcc   1980

tgcaggcccg ctctgcatga aattaatccc ctccatggca cttatcaccc tatggcacac   2040

tacagtatta cctgtttatg ag                                            2062
```

```
<210>   61
<211>   124
<212>   DNA
<213>   Homo sapiens
```

<400> 61
gtgaggatca caaactacta aaacagaaca attaactctg gaaacctttt gatgattaac   60

tttattgggt gagtacagtc atcccccttt atctgtgaag gactggttcc aggattccac   120

acag   124

<210> 62
<211> 541
<212> DNA
<213> Homo sapiens

<400> 62
cataattcct tcagtctttg ttaacagact ttagagatca caaatgagag tcacaagaga   60

gaaagcctgc agggattgtc tgtcttcctc caaagaggaa aatcatggtg aatattttga   120

aaagctttaa attaaagcaa gtgattcttc aaagatttaa gtcctttacc tagcagtagt   180

ctgtgacaat tgctacagtg ttcccagtgg gaatatggta catttgagat gacaaagact   240

aggaaccact actcccgagc attttttcat tgccattaaa atgcattgct ttgcctcctt   300

agtaaggaag tcactgaaca tttgagcatg tacatctcag taaaattcaa ttctaccaac   360

attgtagttg tcggcttagt aaactgaact ttaaaggttt ttctattttt gtgggattgt   420

gaggatcaca aactactaaa acagaacaat taactctgga aaccttttga tgattaactt   480

tattgggtga gtacagtcat ccccctttat ctgtgaagga ctggttccag gattccacac   540

a   541

<210> 63
<211> 1040
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (649)..(649)
<223> n = a, c, g or t

<400> 63
gaagtcctag atggccccct tagagccaag gagcccgatg ataattgaga actggaatgt   60

gttacagacc ttgtctagga gggatagaaa aagaatatgg gtttaaagaa gagatggaaa   120

ctgttaagta gaggacacat tatggtttac tttttaacct tgcttcccca gttttccctt   180

tccttgcatt tgatagtaga atattttagg gcaggatcat atgtgggtgt tagattaagc   240

cattgggatg agaagggaga aatggcaaga gtattttcct tcattacttt attatttatt   300

ttccttttcc tgaggtaagg aagggggatat aaagaaatgg cctttatggt tcccacggtg   360

ataggggatga acatacaata ttctctccct tctcaccaca gcagctccct gtctgttact   420

```
gcagagcttg aggtgactgg actgtctccc aggttactgt agggattgca gtgctggaga        480

agagaggccg ggcaagggga acaaggagca agggaattcc ctagtggttt ttgtgggaaa        540

gaagcggaga gtttctgcag ctgcctagct agggctgcag tattatgtaa tgccttcttg        600

cataagtcag aaaaacacaa ttctggtaaa ttttttaatt taaaaaaana agaaaaaaaa        660

acttctttaa agcttgagag cttgccctag aggtctttct tttgaaacca gtacaaaaaa        720

cagactttga ttttttatc cttaaattat aatgatataa ttctactttt tttttacagt        780

gatctaaaca atctgaagaa cagaacttac acctttccta ataaaaactg caggtttgt         840

gttaaattta aacatatacc taaggtgaat gaatttagta gaattagcag gttattcaca        900

gtttcttatc agcactttca tcacatgggc tgaaatcctt ccacattaga cttacattaa        960

gtacctcttt ctatttgttt tacatttgtt aacttgactg caggtaaccc ttatccatgg       1020

tgcattttgt ttggtctcca                                                   1040


<210>  64
<211>  311
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (184)..(184)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (187)..(187)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (189)..(189)
<223>  n =  a, c, g or t


<400>  64
gccaccgtgc ctggccaaaa aaaacacatg tcttatagtt gagtatggtt ctagtatttc         60

ttcatggcag agccctggag aacccgcagg ggaacagttg agggaatgta agaaggactc        120

ttgattctgg cacttaactc ctgtgtttac taagtttgtt atagctggat tttttttttt        180

tttnggncnc ctagaagcag gagagggcag agatagggc agacttgact tagcaaggtc         240

ttaactgtta acatttttca gcccagagag ctgccttgct ctctaaaaca gttacttgtc        300

ctggttcact c                                                            311
```

<210> 65
<211> 554
<212> DNA
<213> Homo sapiens

<400> 65

```
ccaccgtgcc tggccaaaaa aaacacatgt cttatagttg agtatggttc tagtatttct      60

tcatggcaga gccctggaga acccgcaggg gaacagttga gggaatgtaa gaaggactct     120

tgattctggc acttaactcc tgtgtttact aagtttgtta tagctggatt tttttttttt     180

ttttggtcac ctagaagcag gagagggcag agatagggggc agactttgac ttagcaaggt     240

ctttaactgt taacattttt cagcccagag agctgccttg ctctctaaaa cagttacttt     300

gtcctggttc actcttccat gagtagagga cagttacctt tgtgtgcagg tggacgttcc     360

tttcaccctc cttccttcct gtttcctcag agccaggact gtctccagtt tggtcctcct     420

gctgaagggg aagtggtcca ggcctggaac cgtctcaaga cagtgctgca ctggccccag     480

tccatagagg ggtcaactat gctggctgga ctggctgcct tgttcctggc ctaggactta     540

gcttcataac tatc                                                       554
```

<210> 66
<211> 563
<212> DNA
<213> Homo sapiens

<400> 66

```
attacaggca tgagtcactg taccagcctg attttgtttt ttaatggtat tatcttagtt      60

tggtttagga gtatggttct gctagcctta taaaataaat tggcaagctt atcatcttct     120

atgccccccc ccaaatttga ataataaagg aattagccgt ttctgcaaga tgtgttgaac     180

tcatttatac aactatctgg gtttgctttg gaaatagctc tttgattgct ttatcaattt     240

cctttagagt tatcttttca ggtttgctac tttctcagga aacaatttgg ataatttata     300

cttttcaaga aaatcaacca ttcccttttt ctgaatatat tgctatagag ttgtacatag     360

tatttcttat aatttttgta aaactcctaa tattgtcaat agtgcagttt tagtttctga     420

cgatatattt taccttccct ctcatcctca gatgagactg gctgtgctgt tttggcatac     480

atcttacatt tatatatgtt ataagcccca cactaccttg tttttgttag gcagattctt     540

aaaaaatatg aaattatata gga                                             563
```

<210> 67
<211> 658
<212> DNA
<213> Homo sapiens

<400> 67

```
gagtgaagtg aatcagagag agattgcaag atggagaaag gaggtacagt tggagagagt      60

ggagggggca ggaaagacca gacagagctg catctcccat gaaaacaact gtgtacatat     120

gatagagtga gtacatagag tacatagaag agtgagctct gaaagaactc tcacatggac     180

cccagaaaga ggagtactca acgcctgctg cacagaaggc atcagcagtt aagtactggc     240

tagaaaagca gagtccatca aaggagagga ccacagtggt agctgcctgg taagtaccac     300

tgtccccttt ccttcttttc tccctcccca gctcactgga ggagctaggc ctcaggaagc     360

tgggaaggaa tggggagaat tcacctcggt gacagttcac gccctccctc cagctccaac     420

agctggagtc aaaggaaagg aagagtgcac ctatctcctc cccattccaa gtccctttag     480

tgactagctg gacatgctct ggagaagagc aaaatgaggc tggaatttaa acaataccag     540

actttctaaa acacaatgcc tgggaagtta tgtgaggcat gtgagacatg aggggatgga     600

aaagggattc aacagagcat agttgaaatc aatgatttaa aaaaacaaaa aaactggc      658
```

<210> 68
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (8)..(8)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n = a, c, g or t

<220>

<221> misc_feature
<222> (231)..(231)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (414)..(415)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (420)..(421)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n = a, c, g or t

<400> 68
tgaaananag ataagccatt ctcactatga cctgaccaaa ttcctgagcc atagaatcca   60

tgagcataat tcanttgttt tattccacta nttttggggc ttgttatgga ggaatggtaa   120

gtgggatagt ggccatgaaa tccatgtcat ttgaggaggc acaaggtaag ttcagaaaat   180

```
tcagctgtat gagaaaatgc ctcttgacaa acactggctt aaaaaaantt ntacanttta      240

gtgtntttgt acactcactt caaaacttgc ttctctaaag agaagcttcc ctgaaccacc      300

caagcagaag ggngtacttc ctcnatcctg ggtgttacca ctgtattgag datacccctc      360

cattagtgcc cttgtcatgc tgttgcacat gttaactcac atgtgntctc ttcnnttctn      420

naatatcttg cctaaatcnc ttatatcggt aaaggcactg aggttctg                  468
```

```
<210>  69
<211>  315
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (306)..(307)
<223>  n =  a, c, g or t


<400>  69
agctggtcca cagatcacac tttgagtagc aaagagctag cacacataca ggatcatcat       60

gaaggccaat ggactcctcc ccaccaatat catgagggggg gctatttgaa gaaccaaact     120

ttttttttcct agagagaaat gaagtattat tggaaggatc tatgaaacta ttagactaga     180

ccaaatttta actagataag aaatttagtt catttgattt tctggtagct ggcaagtgga      240

agggagaggt gaacaattaa attggctgta aacaaaagta aaacattatg ttttttttcta     300

atactnnata gtgag                                                      315
```

```
<210>  70
<211>  217
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (36)..(36)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (91)..(91)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (164)..(165)
<223>  n =  a, c, g or t


<400>  70
```

```
ttgacactta ttaagtatgt tataatttaa cattanaaat caatgtcaaa ataacattat      60

agaagctctg tgctcaattt ggcaaaatga ntttaacaat gagaattact catttgattt     120

gcattttggt ttctagcttg gggattataa atgcaatttt cagnntttt ttgttttctt      180

tccaattttt ttgtatacca tgattttcta ttgactc                             217
```

```
<210>    71
<211>    283
<212>    DNA
<213>    Homo sapiens

<400>    71
atttttatac ctcagttgct tttctttcc tttgtttcat acttttcctc catttatctt      60

taagtcaaca ttttggcaaa taaagaacag agatatttaa gcacatgatt caaataaaaa     120

ataacttgct tattttgtt tgttgttaat gtcttattct gtttttacag tcaattatag      180

cctctgatct tctgctacct gggtggcatc ctgttttcct attttataac tgtatttata     240

tagtaacatt ttagttttt gttttcttat atctatatta gat                        283
```

```
<210>    72
<211>    296
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<222>    (178)..(178)
<223>    n =  a, c, g or t


<400>    72
ctggattccc tcagacacat atttcccctc tcactaaact tttatgaaga tttttatta      60

aatctgtatt aaaggtttac ttccttatga tgaagtaaat gttcacagtt ggaccttatg     120

gagtattaag attacatttt atttcttgta acatttttgt ttgctgtttt tttcattngc     180

ttcttatctg tgttcacata acaaattctg tgtcatagct gtttacacta tggtcagaca     240

gatcaggtga ttgctcagtt ccattttct cttggagact tcttttaaaa cctgtg         296
```

```
<210>    73
<211>    715
<212>    DNA
<213>    Homo sapiens

<220>
<221>    misc_feature
<222>    (407)..(407)
<223>    n =  a, c, g or t
```

```
<220>
<221>  misc_feature
<222>  (411)..(411)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (414)..(414)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (421)..(421)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (695)..(695)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (698)..(698)
<223>  n =  a, c, g or t


<400>  73
tagggccggc gtttctgaga aaggtgtttg aaacacagga tttctaatat taagtgttaa      60

gtgttccatc ctcatgtctc aacctttgac ctctgtagat aatgacctca ccacatcctg     120

caatccttca aagagcatct ttctgtaaga tttattttgt ggacattcat tctccaggga     180

ggcttttgga ctcaaactcc tgagatttga gaaactctta gctgcatcct ggtgtcccag     240

ggaagaccag ctccctgtga gccacggtgc cagttcctca ggctcttctg tcagggtctg     300

ggctttggtt tgctctcccg gaggccagtg ctgggggtta gggtgtagaa gtgcctggcc     360

ctttgcccat ctgtctgctt acctattctg caggtctgga gctgctntta nctnagggtg     420

nttttgtgtg aattagaaaa aggggcctca tcaaccaggt gagtagggag atgcagccag     480

cgccaggacc tgtggctctg atgagcgagt agaggcaggg tttagctcca acttgccttt     540

tgtggtcact tgtctagtga aatgcacatt ctgggcagtg gtacatgtgc tcctgtctgg     600

gtgccatccc cgatacctct ttggggaccg ctttctattg gtggttcttc cttcttcaaa     660

ctctccctcc catgatctgg aatttcatat cttanaanaa aaggaaaaat gttag         715


<210>  74
<211>  330
<212>  DNA
<213>  Homo sapiens
```

<220>
<221> misc_feature
<222> (242)..(243)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n = a, c, g or t

<400> 74
ctgtgaaagt aaggtaatgt tgaacaagta aattaatatt ttctctcctg gattctgatg   60

tttcatttgc tttcctgctt ccccatttcc ttatagttat tggactttct ttggagatgg   120

agttccagca gttgggaatg taatattctc ttatggataa agtagattaa aagtttaaat   180

taaaatacgc tgttaaatgt tgttactttc ctttgtgtac agtagtagta gtatactttg   240

annagttgag ttccataggc ttaacttttg tggtaaaact gaatactaac taagggacta   300

ttgaaatgtn agcnttgtgg cagaaagtac   330

<210> 75
<211> 249
<212> DNA
<213> Homo sapiens

<400> 75
agcttgtgta agccaggatc aaaatacctg agacttgttg agacttgtct agactgtttg   60

ttaaactttc aaacctgttt gggaagaagg cttggaacaa cagtgggttt gggtcttgtg   120

aagtaaatct tatttaaagg aaatagacaa aagcttaatc atgtttaatt tgtaacatta   180

taggtaagac tgttggttgc tgttgtaatg actctaaaaa agaatagaga atattttttt   240

ccttagaag   249

<210> 76
<211> 913
<212> DNA
<213> Homo sapiens

<400> 76
tttttttttt ttgagatggc gtcttgcttt gtggctcagg ctggagtgca gtggcgcgat   60

ctcggctcac tgcagcctcc acctcctggg ttcaggtgat tttcctgcct cagcctctcg   120

```
agtagctggg attatagaca cctgcccaac acacctggct aatttttgaa ttttggtag    180

agatggggtt tcatcattga acctggaact tctaaggaaa aaaatattct ctattctttt    240

ttagagtcat tacaacagca accaacagtc ttacctataa tgttacaaat taaacatgat    300

taagcttttg tctatttcct ttaaataaga tttacttcac aagacccaaa cccactgttg    360

ttccaagcct tcttcccaaa caggtttgaa agtttaacaa acattctaga caagtctcaa    420

caagtctcag gtattttgat cctggcttac acaagctcaa attgaaggag ttttactgca    480

gaagcccatt cagccaattt atgcccctgt tccccactgg gaagcaaaga tgatttggtt    540

cctgtgtccc catctggcag cctcctaagc tcagcactca gccaaagaac acagattaca    600

actgatttgc taacagaagc ccacatgctt cttttagtcc atttttaata accctctgga    660

aactacagag tggagggaaa catacagagc actataaaac aaacagcact tttgactctg    720

gaatcattta catttttaag gtaaattaaa ttaaaatgtg aggacataca attaaaatcc    780

aggaccctgc cttcctacct ttatttaaca atatttattg aggccttact gtgccctatg    840

ttagactcta gggtaaatga caacaagtgg ccagagatgt gtatgtatgc agggtggggt    900

gggaatgtgc ttg    913
```

```
<210>  77
<211>  565
<212>  DNA
<213>  Homo sapiens

<400>  77
cggggctaga aagccgaagc tgagattcaa tcccagaggc cagctggatt tgggagacct     60

caaatgccag gtcaggcata agttgcactc tacccacatc accaagtgtc cccaggaaag    120

cagaagtgtg tcctcttccc tttccaggtc tcacttcctg ctgcacatgg gctagggctg    180

aagagttcca gtgggagggt cacagccgtc ccagggaaaa gagaagtggg agcaggcatg    240

gggagaccaa ctgtctgtac ccatctcctc tctgtcctgg tagaggttcc tcttcctgtc    300

tgtcactgca ggtcagagag caggcatggt gacagcctca cccctcctc gtacccacca    360

tctgcccca ctcctcccca ggtctcatgg tggtgtcatc tccctccatg ggggtgtgtg    420

actttgggca agttgtgaac tctctgggcc ttggttccct gtctgtaaaa tggggatgag    480

aaaagaaatt gaccccataa ggtggtagtg cgaagtcaat gagttcatcc agtaatgtgc    540

ttgacagaga gcttggtaca tattt    565
```

```
<210>  78
<211>  725
<212>  DNA
<213>  Homo sapiens
```

<400> 78

```
cggggctaga aagccgaagc tgagattcaa tcccagaggc cagctggatt tgggagacct      60

caaatgccag gtcaggcata agttgcactc tacccacatc accaagtgtc cccaggaaag     120

cagaagtgtg tcctcttccc tttccaggtc tcacttcctg ctgcacatgg gctagggctg     180

aagagttcca gtgggagggt cacagccgtc ccagggaaaa gagaagtggg agcaggcatg     240

gggagaccaa ctgtctgtac ccatctcctc tctgtcctgg tagaggttcc tcttcctgtc     300

tgtcactgca ggtcagagag caggcatggt gacagcctca ccccctcctc gtacccacca     360

tctgcccccca ctcctcccca ggtctcatgg tggtgtcatc tccctccatg ggggtgtgtg    420

accttgggca agttgctgaa cctctttgtg taagaggcac catgactgca acttcattct     480

cccctccatg tggggcttct ctgtcttcag catcctgtga aagggctcaa ttctgcaata     540

ttttagggtt tcattaaaag gtattttatt gtggctgcct taaagacagc ctttgaacaa     600

gtgaaaattc ctcccgtcat tagaatgata accactgaac aaagtgctcc caagtacatt     660

ccaccatctg agcttcacca ggactctggt gaaaggtgct cctatgccta tttcacagaa     720

accca                                                                  725
```

<210> 79
<211> 723
<212> DNA
<213> Homo sapiens

<400> 79

```
cactaaccag gcacccagct catctcaact gctcccggcg gcttctcaga gcagaaacca      60

tgctgcccag actgggaggg agaagagcag ccttgcagcg tctgcttggg ctcaggcctc     120

tgctcagggt tcctgggaga ggccaacggg aagctgctgg ccctgcgcac ttgtcagcaa     180

gacccgaggc aggaacctgt tcaggtgctg agcagacaca cgagacaatg catttatttg     240

gggcacactc attttatcgt ggtagatacc ctacgtgaaa ggaaccagta cagagaaagg     300

acaaggaaag aagccagcat ttatgagggc cagctgcatg ctgagcacac acagctgcct     360

tgcaggatgg gcactgttat cccattgcag agatggagaa gccaaggtcc ccctggacag     420

tgaggttata tccaactgtc caccacctgg gggtaggtta atattggga gagccataca     480

atggaatacc acgtagctac ttcaggggac acgacattgc taacacttcc ccataccttt     540

aaatatacat taggtgggga aaaaaaacag tatgaataat tccattattt taaaaatgtt     600

ctattgcata tatatttata tgttttctac tgtatatatg catatatgtg taaataaaag     660

gaggtagaaa aattaatctt aaaagaggta tactaaaatt taacagtgat ttttcatatt     720

tct                                                                    723
```

<210> 80
<211> 958
<212> DNA
<213> Homo sapiens

<400> 80
```
caagaaatag atacaaggct tatattatat tgtgcctaac acggccagca cttgacatcc      60

actgtgacga aaaccttaca caatccaatt aatttggggg ttgtggggag gttctaggag     120

ggggacacac ggagccgcag atgtgaataa ctgctagatc caagtgctcc gcttagatgc     180

tggccgcagc ctacaggcga gacgccacat gtcaggcccc gaaaggtggt gcagacacta     240

accaggcacc cagctcatct caactgctcc cggcggcttc tcagagcaga aaccatgctg     300

cccagactgg gagggagaag agcagccttg cagcgtctgc ttgggctcag gcctctgctc     360

agggttcctg ggagaggcca acgggaagct gctggccctg cgcacttgtc agcaagaccc     420

gaggcaggaa cctgttcagg tgctgagcag acacacgaga caatgcattt atttggggca     480

cactcatttt atcgtggtag ataccctacg tgaaaggaac cagtacagag aaaggacaag     540

gaaagaagcc agcatttatg agggccagct gcatgctgag cacacacagc tgccttgcag     600

gatgggcact gttatcccat tgcagagatg gagaagccaa ggtccccctg gacagtgagg     660

ttatatccaa ctgtccacca cctgggggta ggttaaatat tgggagagcc atacaatgga     720

ataccacgta gctacttcag gggacacgac attgctaaca cttccccata cctttaaata     780

tacattaggt ggggaaaaaa aacagtatga ataattccat tattttaaaa atgttctatt     840

gcatatatat ttatatgttt tctactgtat atatgcatat atgtgtaaat aaaaggaggt     900

agaaaaatta atcttaaaag aggtatacta aaatttaaca gtgatttttc atatttct      958
```

<210> 81
<211> 510
<212> DNA
<213> Homo sapiens

<400> 81
```
acgcggctga ctacgcggct gactacggtg gatttactaa aataatgcat gtaaagcata      60

taggatagag ttgagcacat agtacacatg atgtgttagt tgttatcaac ttttcattat     120

tgagtgtcaa ctaagggatt cttgcaggaa tacctagttt cttccacatt attccagtcc     180

tgggtaattt ccaatgctgt gtggtcaaca acctctccag gccaggtctt ctgctttgaa     240

ctttagaata gcaaattaaa aggagatggc ttgaaaaata ttatttttat aaaacaatgc     300

ccagaggaat tgagtgtgct aaagacacca gaaaaaaagg attccttaaa gtaacagcaa     360

atgatcaatt tttttaacca ttctttttatt ctttcaccaa atgtatattg aatgctaaca     420
```

```
ctattagatg ctagagtacc aaagatgtgt acagtatcat tgccttaaaa atgatctatg      480

ttaaggggca agagaagaga aacatataat                                        510
```

```
<210>  82
<211>  519
<212>  DNA
<213>  Homo sapiens

<400>  82
ataataatca tacctaccta ttcatagtat cgttgtgtgg atttactaaa ataatgcatg       60

taaagcatat aggatagagt tgagcacata gtacacatga tgtgttagtt gttatcaact      120

tttcattatt gagtgtcaac taagggattc ttgcaggaat acctagtttc ttccacatta      180

ttccagtcct gggtaatttc caatgctgtg tggtcaacaa cctctccagg ccaggtcttc      240

tgctttgaac tttagaatag caaattaaaa ggagatggct tgaaaaatat tatttttata      300

aaacaatgcc cagaggaatt gagtgtgcta aagacaccag aaaaaaagga ttccttaaag      360

taacagcaaa tgatcaattt ttttaaccat tcttttattc tttcaccaaa tgtatattga      420

atgctaacac tattagatgc tagagtacca aagatgtgta cagtatcatt gccttaaaaa      480

tgatctatgt taaggggcaa gagaagagaa acatataat                            519
```

```
<210>  83
<211>  384
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n =  a, c, g or t

<400>  83
ataataatca tacctaccta ttcatagtat cgttgtgtgg atttactaaa ataatgcatg       60

taaagcatac aggatagagt tgagcacata gtacacatga tgtgttagtt gttatcaact      120

tttcattatt gagtgtcaac taagggattc ttgcaggaat acctagtttc ttccacatta      180

ttccagtcct gggtaatttc caatgctgtg tggtcaacaa cctctccagg ccaggtcttc      240

tgctttgaac tttagaatag caaattaaaa ggagatggct tgaaaaatat tatttttata      300

aaacaatgcc cagaggaatt gagtgtgcta aagacaccag aaaaaaaggn ttccttaaag      360

taacagcaaa tggttcaatt tttt                                            384
```

```
<210>  84
<211>  519
```

<212> DNA
<213> Homo sapiens

<400> 84

```
ataataatca tacctaccta ttcatagtat cgttgtgtgg atttactaaa ataatgcatg      60

taaagcatat aggatagagt tgagcacata gtacacatga tgtgttagtt gttatcaact     120

tttcattatt gagtgtcaac taagggattc ttgcaggaat acctagtttc ttccacatta     180

ttccagtcct gggtaatttc caatgctgtg tggtcaacaa cctctccagg ccaggtcttc     240

tgctttgaac tttagaatag caaattaaaa ggagatggct tgaaaaatat tatttttata     300

aaacaatgcc cagaggaatt gagtgtgcta aagacaccag aaaaaaagga ttccttaaag     360

taacagcaaa tgatcaattt ttttaaccat tcttttattc tttcaccaaa tgtatattga     420

atgctaacac tattagatgc tagagtacca aagatgtgta cagtatcatt gccttaaaaa     480

tgatctatgt taaggggcaa gagaagagaa acatataat                            519
```

<210> 85
<211> 1286
<212> DNA
<213> Homo sapiens

<400> 85

```
gcagtgcact ggaactgaag gcaaggacaa gattgattgg aaatgtcagc ctgtgctcac      60

ttttgcagct gagctattca aacttttgga gatgcagatt gcagcctgtg ctggctttat     120

tcatgcaacc attggctgtt cacagtgtca cacagtgata tgaaatgatg gcaaatttag     180

aaaatctggg aaatgaaaaa tggtaaaggt ctgtcctggg catcttgcat catgaggtag     240

ggctgttctg gaatccccaa gccctttcca ccaaaggagt ttagaattca gagtcagaag     300

atagggcctg gagtcctggt tcagccattt actctctgag caacttggga gtttcaggcg     360

gagggaatgg cacatgcaag ggcctgtcag tttgaaggag catggtacgt tacaggaatg     420

gtagatagag catacatata gggcaggctg agaggctgga agggcttggc ctttgaaatg     480

ccaggctaag gaattttgga ctttccctaa aggaaagcca tgggaaatgg aaattttaag     540

ggctggggaa aggggaatta gggatcagaa ttcttaatgt ttaaatattg ctcaccccaa     600

attgcagcgt aagaaggaat gggatagaaa gggaatgtta tggattcaga gagatgggct     660

tagaaaccct aagattcatg gtagcagagt cttcgagcag gggcttgctg gagcaaagca     720

ggtccccgtg gagcaggttt gtcttaaact cttgttgtct ttctgaatgg gtatcaaaga     780

ggggcttcct gcagcctgga tgaccggggc tgccttcctt tgctcttgtg cggtgaggga     840

cgcacgcctg gctaacttca tagaggccca ggccatgggc attgccagag ctgagctag     900

acctatgctg aagaaagcca ccccgagtgc cttggtccca caggccttat tatctgtagc     960
```

```
tggctttgaa tgctgtttgc atcattcact gtctaggggc cttacctgag cctgaagttg      1020

cacaaagtag gtcaggagct cctctgtggc gtgcctccac ccccaccctt cactccagcc      1080

ttcaggaaag atctgtctca cccagaacta ggagaagcta gaggacctgg gtcctgccca      1140

ctggaaggca aaggaatgca catgttatta ggaccttgtt ccaacagcag tggctgtcat      1200

ttgttgtgca cctactatgt gtatgcacaa ggctaaatac tttctgtacg tttctcattt      1260

aatcctcaca gcagctcttc aacata                                           1286
```

```
<210>   86
<211>   400
<212>   DNA
<213>   Homo sapiens

<400>   86
gaaaaacatg atattttcat ttaagggagg ggtaaaacca agttaaatta aaacagaaaa       60

gttttaaaag ctgcagtaat actaagtcac agtgtagaaa aattgcaacc agaaatgtgc      120

taacactatg tgtttggaaa tcattatatc taagcaggca tgctttattg tgaatctttt      180

tacttattag tctttcagag aacagtgttt tcatgagtac taactctttg gctttgaaaa      240

acatttcttt tttattatga actcattcag aaagaattgt tacgtacgtt taactgtgta      300

aatcctattc cttttcttcc atatttcttt ctagaagttt tagagtatgt ttcataatcc      360

tcttattctg ttctaacagc aataaaatta aggaaaaact                            400
```

```
<210>   87
<211>   396
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (162)..(246)
<223>   n =  a, c, g or t

<400>   87
cgcggacgcg tgggtggaaa ttatctctac agagaacctt aggaatgata ctagttctgt       60

cttacaacta gcataaacag gggcagatca ccaagtcggc cccaaagggc ctgtggcttt      120

ggctctggct ctggctcttc tctctaaacc aatgctactc annnnnnnnn nnnnnnnnnn      180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      240

nnnnnnacaa aagtctgggt ccctaccatt ataattttaa aaccattgca tttacagaat      300

tatcccactt gggcttttta tggcagtata ttcatacctt ggtataccac acacagcaat      360

ggaaaagaaa ctacagacta cacagaacat ggatga                                396
```

<210> 88
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)..(251)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (273)..(274)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n = a, c, g or t

<400> 88
gttctgaggc actctgtgag acaaaaataa agatggcctc caaggcctcc attctaagca   60

tggagtctct gggccatcag gagacctctt aaaattgcag gtgtcattgt aggtgtaact   120

attaggtatt actatagtat tctatagtac taataccaat actataatat tatacttata   180

ataatatata gttttacttt atgtattatc atatataatt ttaaattata tattataata   240

tagtattgta nttntataag catatntant atnntcntat tatgtgta   288

<210> 89
<211> 125
<212> DNA
<213> Homo sapiens

52

```
<220>
<221>  misc_feature
<222>  (112)..(112)
<223>  n =  a, c, g or t


<400>  89
gacaatttat aattcaaagg gaagcagaac ataaagattt ggacatttct tggtccagcc      60

atgtaaagaa tgaaaaagat ttggacaatt ttcagtccag ccatgtaaag gntaaaaaag     120

tatgt                                                                 125



<210>  90
<211>  314
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (286)..(286)
<223>  n =  a, c, g or t


<400>  90
aagagcacaa ggtaatggta tctctagaat cttccagaag tgaagatttt agcttataat      60

gcaccagttt atcagtgttg ggtgaggcct atagtcggcg ttggtaccat gttattcaca     120

ggtgtctctc atcatgagga ttatggttgg ttttgccttt ggagacctgg tctacctgct     180

tctgatagag gcttaactgg gttcagtgtc aagaggttca ctgtggtcca taaaagcaaa     240

cagacaagct ctggcgagat agaagtgcta ctacttggca cattgntcct ttgtgaagta     300

aaaagtattt gttg                                                       314



<210>  91
<211>  233
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  n =  a, c, g or t


<400>  91
gccangggtc cggccacggg tncggaaagt ttgcacatcg ccatgtagct atgtgtgtag      60

agtgtcagcc tccatacaat gttaactgtt tccaagtgat agtggtgatg cccaacctgc     120
```

agtttagctg tgagatttgg gccagtaatt gatgttacag cccatttagg gacgacttta   180

attaacatca cctgtgagcc atgaatagcg caaacagcaa gtcaagatca tca   233

<210> 92
<211> 456
<212> DNA
<213> Homo sapiens

<400> 92
aattatttga ctttacaact ttatgatatg tttgatgcat ttttagtact ttgtgtattt   60

ttcattgtaa cattttaaat gactgttaag gagttagagt gaccatccac agcacacatg   120

gaaaaatgct gcttagaagc atgggacatt aataagtgaa ctgatattta tatcttagaa   180

tttgtttact tttttgagaa tctcattaga aacctatgct gggatataaa attctttagg   240

cagatttcac taagtagagc caattgtcct ttgtttcttt tgctgaaccc agtattgcat   300

aaaactgcca atgcacaacc aagctgtagg ctgatggaaa acaacatcag ccaagagatt   360

cacctagaag ccagctaacg gagctgggtt ccctttggt gtgaaggcat cagaagacca   420

tcagctctag aaataaaact gaaaaaaaaa aacaac   456

<210> 93
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (243)..(243)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n = a, c, g or t

<400> 93
catgccgccc ggaccccccag cccaggacat catggtgccc agagagcgtg agccccaagg   60

gcattggcag gagctgccga ttccatctcc ctgggtgggt tccaggtggc acaggaaggg   120

tgggccggga ggcttggtga cctgggagct gcccttggag gctatttcca ggggcctcag   180

ggtgggccgt gggggatttg gagtcttctg cctgtgcagg gtcaggcagg gtcggttggg   240

ggntcggagg tagatgccat ggtatgctgg gcagcaagtg gctcaggaag cctctgggtg   300

tgagtcctcg ggggtcacca aggcaggang gggcagggat gtgcagggtc cgccctcgtc   360

tccccacgtc tggc   374

<210> 94
<211> 672
<212> DNA
<213> Homo sapiens

<400> 94

```
gcaccgtcac ctgcctacat accacacatc cagtgctgac tcccaggcag accgtggtgt        60

tgaccccact ggatgtgtgg tatgtaggca cggggtggca ccgtcacctg cccctcacag       120

acacactggc ggcctgtgca caaacccact cacgcacaca gcactcagta agccgggact       180

gacccactca gacacgcaca caggcgcaca tcacacacag gctcagcccc ccaaacccag       240

acccaggagc tggagcgtac gggtccacgt ggctagaaaa tgcaggttgg agcggcccca       300

tgccgcccgg accccagcc caggacatca tggtgcccag agagcgtgag ccccaagggc        360

attggcagga gctgccgatt ccatctccct gggtgggttc caggtggcac aggaagggtg       420

ggccgggagg cttggtgacc tgggagctgc ccttggaggc tatttccagg ggcctcaggg       480

tgggccgtgg gggatttgga gtcttctgcc tgtgcagggt caggcagggt cggttggggg       540

ctcggaggta gatgccatgg tatgctgggc agcaagtggc tcaggaagcc tctgggtgtg       600

agtcctcggg ggtcaccaag gcaggagggg gcagggatgt gcagggtccg ccctcgtctc       660

cccacgtctg gc                                                         672
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<210> 95
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (574)..(574)
<223> n = a, c, g or t

<400> 95

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ccttaattgg aaactgcttt aattatccaa cactaaaaaa atgtcaaggg caagaggtgg        60

tttgaactat ggactggtgt tagatgatgt attttttta ttttgttaag tataataata       120

gttgttatgg ttaggtggga aaagatcctt aaatttaga gctgcatgct ggagtattta        180

gaagtgaaca gtcattgtat ttgttattta aaatactaca cgaataaaca agatgaagca       240

aaattgctca gtctagatat gggtctatga gtgtttcatc tttctacttt tttctccatg       300

tttgaaatcc ttggtaaaat aaagtcaaag tggaggaagg aggagcttga gattgaaaaa       360

tcagtttgag aagcagccac cttgactggc ttcactctaa tagcctggac gctgcctcca       420

cactccaggt gcactgctca gcattctcca agaagtcatt aagggcagac cctacgtgtt       480
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aaatttcaat cagtttcact gagcaaatat gctgttaaat agagactgct gtgtgctgtg   540

tcagtgtgcc ttatgggcaa tgtgatggtg ctanaaa   577

<210>   96
<211>   438
<212>   DNA
<213>   Homo sapiens

<400>   96
gcggtcctca tctctaccat ggactaccag agggaaggca gcacctctca tcacccaggg   60

ggatggcctc cagtcagctg gggtatgtat gcagctgtgt ggcagcaaat atgtccatgc   120

ctgcaagcca ctcagccctc agtcacacgg tgatgggcac taatatccaa gaggagcaga   180

agtcaaggcc atgggtcctt ttctcccctt gccagagatg cagccccaca gcccctggtg   240

atcttggctg ggagaaaaat cagagtttga catctcatcc cactgccttc tgctttctga   300

ccttactgag gtcagggtca tcaaggcctg ggggactggg acagggttaa ggggtgtcct   360

ttctccatcc gtcttccaac cccgtggaga ctcagcatgc ctaggaaggt ggaagggctt   420

tctgcgggca caacatct   438

<210>   97
<211>   545
<212>   DNA
<213>   Homo sapiens

<400>   97
gcggtcctca tctctaccat ggactaccag agggaaggca gcacctctca tcacccaggg   60

ggatggcctc cagtcagctg gggtatgtat gcagctgtgt ggcagcaaat atgtccatgc   120

ctgcaagcca ctcagccctc agtcacacgg tgatgggcac taatatccaa gaggagcaga   180

agtcaaggcc atgggtcctt ttctcccctt gccagagatg cagccccaca gcccctggtg   240

atcttggctg ggagaaaaat cagagtttga catctcatcc cactgccttc tgctttctga   300

ccttactgag gtcagggtca tcaaggcctg ggggactggg acagggttaa ggggtgtcct   360

ttctccatcc gtcttccaac cccgtggaga ctcagcatgc ctaggaaggt ggaagggctt   420

cctgcgggca caccatctcc cgcctccctg tgcctgtcct ctgctgggtc ctgggttctc   480

cagtgattat agcccttgct gcttcccca cagtggggaa cacagagccc tgcccagagg   540

cttga   545

<210>   98
<211>   142
<212>   DNA
<213>   Homo sapiens

<400> 98

aatttcctgg atttgtttac tgtacctgtg attcagctgg agatataatt cccaaattca   60

tatttttagc atgctggtgg tcaatgtagg cagctacctt atgggtatgt ataaccattt   120

cccctcttga aatcagcctc tc   142

<210> 99
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (386)..(522)
<223> n = a, c, g or t

<400> 99

agcggggggg agagtataaa tgattagcag gattctggct aaaattggtc ctacagggtc   60

ttgaataagc ttatttctta tttcttataa gactgtaggg tatactcttt tcagtcttat   120

tactaattct ttatcagtaa tatgtattca tctttactgt cttgtgtctt tttgctgatt   180

cttctggtct taaggcactc tccttaataa gttttgaaat ctgtccagaa ctcactgcag   240

ccaaatttcc tggatttgtt tactgtacct gtgattcagc tggagatata attcccaaat   300

tcatattttt agcatgctgg tggtcaatgt aggcagctac cttatgggta tgtataacca   360

tttcccctct tgaaatcagc ctctcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntgaaatca gctttaattg   540

tcccccaggt aaataaacac ctggtgaaag tcacctttgg aaaattaatg cttttgaaaa   600

taatccatga gtctaagtat gactttcaaa tcaccttcac cgtgtgtctg ggaacatttc   660

aggttgattt cctacatcac atcactcctc ttctgcttat tgtattccca cttactagac   720

gtcaggtgtt ggtttattag gagacattgc tgtgcatgtc acacagccag ttggcaccac   780

attttttggct ccttctgttg aatctctttc tagtttggct ggcaagttac aatctgttca   840

ttgagaaggg agcgtgtgca tatt   864

<210> 100
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (309)..(309)

```
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (409)..(409)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (698)..(698)
<223>  n =  a, c, g or t


<400>  100
ctccatctca aaaaaataat aataatataa aataaattaa tagatacttc ctaataagat     60

tgtcactttc taggaaatgt tcttttcatg attcctcttg tactctgtag gttctttgtg    120

aagcaggagg cagaatctgt gttttgattt tactttcacc tctgtgccag tagttttcct    180

ccctgttgta tctcctttat tttatatttc tttctcttaa catttgttat tgcctctggt    240

ttttaatttt ttatgtgtag taggaaagaa agaaggaata ttgattacat atgtgatttt    300

tttctttant actacacgtt ttttacttgc ctagccctta tcttttcttc ttcgctgttg    360

tagaatattt ttaatgtttt actcaatgag ttgggaattt gaagaagtna aagcaaggac    420

tccatatact ctcattctac tggggaggtc ctgcttgttg aattttagg tatttcaaga    480

tgttccagtc aactgacaag gacttctcac agtgtcagaa ctgtagtgat gatgagacta    540

atgcaactaa caaatagttc tggtatgtaa ataaccactt ttgcatgttt acttcaccag    600

aaaattctct ggagtatagc agtatcctgt attcttagtt agaaatttgg caaaccactt    660

ggatgctttc aaaggagatt ttgagttaat gatgctantc aaaaataaga atatattta    720

atcagatgtg aaatt                                                     735


<210>  101
<211>  415
<212>  DNA
<213>  Homo sapiens

<400>  101
tagttctaga tttcttcaga gggggttcat agaggaattg acttaaaagt agagccttaa     60

aggaaagaag ctacatcatg gaatgacgtg gaaaagtatt tttcttttta aatcagttac    120

ataatttggg ttttctcaag ttttgccatt ttaatcagca gaacttagat taattaattt    180

gtgagatgct tatctttgcc tattaatttc ctctattgat atttttactt gctatcaatt    240

gcgattgctt tttcatatct gtcttctttt gtaaagtgat gactttagtc agaagtgtgc    300

tggagcagtt tgcagagcct tgcaaaattg atggtgccta tctatttcca gctctatgtt    360
```

catcaatgcc agatcggcag actgaaatca gccgtgataa aaatgtttac actat   415

<210> 102
<211> 146
<212> DNA
<213> Homo sapiens

<400> 102
atccttttgc catcttgctc tttatcagcc ctgtgggttg aagcttcttc ttcagtcctg   60

atgatcacac atgccttta cctatgaata gagatgctgc ctttgactct gtcctagttc   120

ttgactctgc ctttggattt tttttt   146

<210> 103
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (543)..(543)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (725)..(725)
<223> n = a, c, g or t

<400> 103
atccttttgc catcttgctc tttatcagcc ctgtgggttg aagcttcttc ttcagctcct   60

gatgatcaca catgcctttt acctatgaat agagatgctg cctttgactc tgtcctagtt   120

cttgactctg cctttggatt ttttttttct tgagtctacc taacgtgaat tgcatttgat   180

agtttggata ttccagaaaa acttcctcac atattgtctc ctaatttatt ttaagtatta   240

atagttatct ttgaaaaata tcttctacaa ttttaataag ataagggaaa tcatgattta   300

aaagagtgtt ttttaattgg aatcttgaag gaagagccta acacctttc caacatggaa   360

ttttaagctc tcttgatccc taatttatta ccactggcca caagaggtga catttcctac   420

aaagtttagg gaatttatgg caatactaat aagaaccaat ccttgacttg ccacccacgt   480

gcagttcaaa gctgttcttc tggagaacat ggagtctgtg gtgtcttaga ctactgactt   540

tgntgttatt catcctaccc acccttcatt tttctccatg agtaactgct ttcctcttag   600

tcctagtaac ccagaggcac agatgtccaa agacaacagt cagatggaaa tgtaaatcac   660

agatctccac acctgaaaac accattggca aactgaaaac cagactagct ctgggaagca   720

attgntatca gattgcacag atg   743

<210> 104
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n = a, c, g or t

<400> 104
agctcngttg tgttctatcg acttttata tcttggcctt ttgctctttc tttctggcta   60

ctttgaagat tatctgtttt tggcgacagt atccctgact ttaaaaaagg aagaagaaaa   120

ttcagaataa tgacactgaa ttgttcaggt tcgaggtggc agcggaggct agaactgacc   180

tgcttggaat ctgctctctc tcgatgtccc tcctgacatg cgccctgctt ccgttcctct   240

taacaaggtg aatggccttc attccaaggc aacacagtca ggttttgaca ctccatgggg   300

aacaaaggga aaatcagcat gactagcccc attctcttca ctcttaatcc cagagatagt   360

gaatgccccc ctcctaccac atctttgtgc caggtcacct aaaagttgtt tggtggagtc   420

aatgtgggtg catgaggtaa gtcaacag   448

<210> 105
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (193)..(193)
<223> n = a, c, g or t

<400> 105
actcaatctc caaaacaaaa caaaaaaaca acatctgtga agggaagatg gattgggcag   60

agagcgaaat tgaactgtga tgcaggcccg atcaagtacc caccaactca gtagggcacg   120

caggagcttg aagcacccac tggaatattt tcatggagga ctaaaatggc tgggtctcta   180

tgctcccgcg tantcagttc ccagaggcag ctgccctggg gagggcaggg tgttgggtgg   240

ggcaacactc tgcagctgag gcagaccctg aagggctgac agctggaggc catctgccca   300

gctcactcct gcagctggat ggaaaggcct tcctggaaga aggggtccg ggcaatgcat   360

ttccacatct actacaccta tatccctga ctctcagaga tctagcaact tgcctgcaaa   420

cttgagcctt cctcactaca agttaggcct tggcatcttt tgcccagact actacagtcc   480

tcactggctc c   491

<210>   106
<211>   594
<212>   DNA
<213>   Homo sapiens

<400>   106

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actcaatctc caaaacaaaa caaaaaaaca acatctgtga agggaagatg gattgggcag        60

agagcgaaat tgaactgtga tgcaggcccg atcaagtacc caccaactca gtagggcacg       120

caggagcttg aagcacccac tggaatattt tcatggagga ctaaaatggc tgggtctcta       180

tgctcccgcg tagctcagtt cccagaggca gctgccctgg ggagggcagg gtgttgggtg       240

gggcaactct ctgcagctga ggcagaccct gaagggctga cagctggagg ccatctgccc       300

agctcactcc tgcagctgga tggaaaggcc ttcctggaag aagggggtcc gggcaatgca       360

tttccacatc tactacacct atatcccctg actctcagag atctagcaac ttgcctgcaa       420

acttgagcct tcctcactac aagttaggcc ttggcatctt ttgcccagac tactacagtc       480

ctcactggct ccaccagcca tctcctccca ccccacccat cctctgtgtg gtccacacac       540

aggtctgatc ttgtcacttg ccagtgcacg aacactaagg gacctctgtt tgtg            594
```

<210>   107
<211>   467
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (428)..(428)
<223>   n = a, c, g or t

<220>
<221>   misc_feature
<222>   (446)..(446)
<223>   n = a, c, g or t

<400>   107

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ggcactttaa ccccatcaag tttatgagaa gaacattaag tgcctagtgg atgtttgccc        60

aaaggaccca agtgggcaat tcacaaagga gggaattaac cagtaaaaag ccacagaaaa       120

gcaccgaata aacctagtct tcagagactc aaaagttaaa atattatcct atatcctgtt       180

aaattggcaa aaccaaaaat gattaacata cctgacgctg caaagtcaca gtggcctggt       240

gcatttggac gttgttggtg atgttgtgta aaagactgca tcttctcgga acagcaattt       300

ggcatgatta tcaagatcta caaaaatgtt catgcccttg cagtcctctg taatactagt       360

tatccctagg gaactgaaat tatgggtaag gatattcagt cccacattta tttaatttcc       420
```

gaaaccanta gaatagcttc agaagntcaa ccaagaggaa aatggtg   467

<210> 108
<211> 228
<212> DNA
<213> Homo sapiens

<400> 108
cttgaaatga agacatagaa tgattgaata gtatctagca attttctgtt gcaaaaaaag   60

attatcttaa tttcatagct aaatgaatgt cttaacagat tgtgatttac acttgtaagt   120

gaaatgtgtt cagagaggag aagtaggcag ggacctgatt acatagggct ttgtaaatca   180

gaatgaaaaa agttagaatc aggctggcac agtggctcac acctgtaa   228

<210> 109
<211> 1324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (312)..(312)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (517)..(518)
<223> n = a, c, g or t

<400> 109
agcgagtaga gagggcatat ctcgccagag cgacttgaga gacagtgggg tcttcaccca   60

ttaaagggtt tcacaagagg acaggtgttt ccaccctttt aacgggcctg tttttacccc   120

cctagggggtt tgcattggtt ttttttttgga aaaacccttg gaaaccggtt ggttattgtt   180

```
agggaatgcc ctttattgat tccggcccca tttacccgga taatttaatt tatttatttt      240

taacaaggtc ttttttttccg aggtgaggca tggggtattc agccatgaat ttgtgcccca      300

ggtcaagtat anttgatttt agaaaacggg tttcctttgt tgccaggctg tctcactcct      360

ggctcaaaga tccaccctct cggcncacaa agttctggat ttcaggtgta gttacgtgnc      420

gggctatact gatttaaaaa tcctttacca gagttgtgag tcagagtgag atagtgcact      480

tgttggagtt attcaatgta cattantttta tctctcnntg atgtagaaag taccaatcag      540

catgacttgg tgactactac aaagagagga aattctaatc atttaatgtt tctgatttaa      600

ttgatttatt gataactctc cattactttt tcaaatctct gaactagaaa gggcttattc      660

atagagtaaa atgattagaa tctttgtttc attgaaaaac aactagttat aaaatggttt      720

ttttgtttgt ttgtttgttt gttttgagat ggaattttgc ttttgttgcc caggctggag      780

tgcaatggtg cagtcttggc ccacggcaac ctccgcctcc caggttcaac tgattctcct      840

gcctcaacct cccaagtagc tgagatgacg gcgtgcacca ccatacccag ctaatttctt      900

tctttttttt tttttcttta agtagagatg gagtttcatc atgttggcca ggctggtctc      960

aaactcctga cctcaggtga tccacccacc ttggcctccg aaagtgctgg gattacaggt     1020

gtgagccact gtgccagcct gattctaact tttttcattc tgatttacaa agccctatgt     1080

aatcaggtcc ctgcctactt ctcctctctg aacacatttc acttacaagt gtaaatcaca     1140

atctgttaag acattcattt agctatgaaa ttaagataat cttttttttgc aacagaaaat     1200

tgctagatac tattcaatca ttctatgtct tcatttcaag gaaggtccaa gaaaaaaaat     1260

gtgttttgga agtcatgaaa taagatctaa ttaataaaat gcctcatctg gtaaaaaaaa     1320

aaaa                                                                  1324
```

<210> 110
<211> 225
<212> DNA
<213> Homo sapiens

<400> 110
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gcctcgcctg gcatccccca gctgtagatg ggggcagagc aagacttgct gccaacctgc       60

ctggctctgt ggtccctgct ccctctcccg ttctgctggc gtcaccaccc ctccttcaga      120

actctctatg gaattgcatt ctagtctctc ctgcttctgc ttatgcatgt gaaagccaga      180

tgccccttct ctctctctct tttttttttt ttgatacgga gtttt                     225
```

<210> 111
<211> 1435
<212> DNA

<210> Homo sapiens

<400> 111

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ccaggctgta gttacaaact gccagacccc acaggcaact gaggccaacc caaggagaga      60

gttgcaggtt atgtgggccc acagcttgta tgtgccaggc agggcctgct gctgtggctc     120

tgcacactga ggaactgcat gcacagacac tcaggacccg cctgcctccc ccagctcctc     180

agccgggcct gtgtcccacc ccagtccacc gttgtgtcca tgctgtgctt tctgtggtca     240

ggcctggcat gctctgggct gctgctgccc ttgcccgcct tagcagctgg ctcggggtgg     300

ccctcgagcc ctccctcacg caccgtccca ggcttgctgc ctttccagct gcacctctca     360

caactgttca cgacaggccc ctcaacacgc cgcgggcctg gcacacactc acctgctggt     420

ctgctaggac ccagtttccc aagcctagaa aacgacccac cacagccttg ggcacagttt     480

gcagccctga cagattcctg agtctgcctt ttcccagaat tctgacctct ccaggggctc     540

tgtgaccccg cctgtccccc actcagggcc tgtcacagac aggggtttgc tgagccactt     600

tgaggcaggt ggatgattgc agggatgacc caaggcccac gctcccagga ctgccaccat     660

tccaatacca aaagagcctt taaaaagcct tcactcagga gctcctggtc cagaacttgg     720

catggacttg gaggccagta aatactaagt tgaaatggac aggagtcaac cccaaacaaa     780

ttctaaaggc acagttgttg ggccccagga atcccaccta gtccttccca ccttctcacc     840

cagctggggt tcattttcat atccactccc ttcccctacc ccacctccct ctcatcttgg     900

cctggggttt tcttcagatc cttacataat cggaacttct gacagaatgc tggctcctct     960

ccttagacta tacattttca tttttctaca ttcttccaga acaatgttcc tatacaaaat    1020

cttaacccat ggcagaaact ggcaagagcc catttcccat gtgcaggcag agccaggccg    1080

gcgacactgg gttccttctt aggcaaggcg agggttgggt ggagacctgg catgacttct    1140

ccagcccctg gagagcctct gcagttctga cccctatcac aagtgagccc tgggcttggt    1200

gaggggtgcc tgcctcgcct ggcatccccc agctgtagat gggggcagag caagacttgc    1260

tgccaacctg cctggctctg tggtccctgc tccctctccc gttctgctgg cgtcaccacc    1320

cctccttcag aactctctat ggaattgcat tctagtctct cctgcttctg cttatgcatg    1380

tgaaagccag atgccccttc tctctctctc tttttttttt tttgatacgg agttt        1435
```

<210> 112
<211> 672
<212> DNA
<213> Homo sapiens

<400> 112

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aaaagagaca gctatggaga gcctttctgg agacagggta aacttcatag tctggccaaa      60
```

```
gaaactatcc atgcaaagga acctacattt aattgaatca gactgtggaa taatttacac      120

caccaggcat tgttgacaac aatagaacaa tcatcaggca attaatagag actaattact      180

aacttccagt gaagtataga aatgttactc ctattttgct ctattacatc ttttaacttt      240

ttgtggtact aatgttataa atgttatatc tgtatatatt acaaatatag caatagattg      300

ttatgattac tatgttacat aattttatgt ctgctaagga agttgagaga agaagagcaa      360

atgtacattt atatgttttg ttatatgact ttccttttat catttctggg ttgctcttca      420

tctattccct tggattcctt tgttctgcta ttgctaaatg tattacattt ttatatggta      480

taggctgaac aacactatta tataaaagtt gttttataca attttttttaa atacattaat      540

agaaaaaaag acattttctc ataatcacaa tgcaatagat ctaacaaaat taacagtaat      600

tccccaatat catccagccc ttagtcttta aatgcatttc cagaattgct aagaaaattt      660

tagctaaagc ca                                                         672
```

```
<210>   113
<211>   523
<212>   DNA
<213>   Homo sapiens

<400>   113
ctcttccata gctgtacctc tggaatgttt tggttgtaca gtaaaattga acatttggtt       60

attatttta gaaatacaag aatttccaaa acacagatct tctggcctgt cacttgtggc      120

ctatactctt tgaaagtgct caaaataata aaggtcaggt tattgataat gatttagat      180

aatagaattt aaaaataatt ctgtaatttt atattgaaac attaagcctt agaagttgat      240

agaagtattg tgcattacag aagtaccaag tagttaaaag ttgctcttaa tgatttaaaa      300

aataagagca gaagatcgtt tagccataca tcatgtagaa agaacattgt gttggcagca      360

tgatctgaat ttgaatccat attctgcccc ttagtcaact gttggcaatc actttgagcc      420

aactttgctt actacaaaat gataattgca gtactcacat ttcaagattg ttgtatgcaa      480

gttcctagca aaggacctag catgtcgtag aaattcagca aat                       523
```

```
<210>   114
<211>   840
<212>   DNA
<213>   Homo sapiens

<400>   114
tggatttgga agtttaccat aaaactggac agtattggta tctccctatt tttatctgta       60

tcttttctga gagctttagc agtaacaact ttttaccaaa agtcttagct tatgtgtttg      120

attttcagca tatgaaactt ccctgatttt tattttctat atgtaagtct ccctaccacg      180
```

tttctttgga gattttagga atttttcctt tgttcttcgg tggccataca tcttgtttgg   240

ggtgaaggga cttgatgaac tataatttta actaaggatt atcatgtttt gatttaatag   300

atcccagagg aagaatgctc ttccatagct gtacctctgg aatgttttgg ttgtacagta   360

aaattgaaca tttggttatt atttttagaa atacaagaat ttccaaaaca cagatcttct   420

ggcctgtcac ttgtggccta tactctttga aagtgctcaa aataataaag gtcaggttat   480

tgataatgat tttagataat agaatttaaa aataattctg taattttata ttgaaacatt   540

aagccttaga agttgataga agtattgtgc attacagaag taccaagtag ttaaaagttg   600

ctcttaatga tttaaaaaat aagagcagaa gatcgtttag ccatacatca tgtagaaaga   660

acattgtgtt ggcagcatga tctgaatttg aatccatatt ctgcccctta gtcaactgtt   720

ggcaatcact ttgagccaac tttgcttact acaaaatgat aattgcagta ctcacatttc   780

aagattgttg tatgcaagtt cctagcaaag gacctagcat gtcgtagaaa ttcagcaaat   840

<210>   115
<211>   158
<212>   DNA
<213>   Homo sapiens

<400>   115
agcctctgaa acagctggaa ttacaggcaa gcactgccgt gccctgctaa tgagaaattg   60

taattctcat agaggtcctc ccagaggagt agaagaaggt tgaaaggcac ttctgtattt   120

agtcttctca caattaaggc tgggcccagt ggctcaca   158

<210>   116
<211>   528
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (510)..(510)
<223>   n = a, c, g or t

<400>   116
aaaaatagat aaggtccatg ccccttaggca gcttggtcta gtgaggggca aacaaatcac   60

agataaatgt aaaattacac ctgtgagtag tgctgtgaag gagaggttga ggatggtaag   120

ggtatatgat aactgaagga atttgtctat tttagaaatt ctggaaaggc ttccctgaaa   180

gaattaaaga tgtgtaggag ttaagtaggt taaagagaac agaaagatga gttcaggaat   240

agtggcgtaa agcaaccatt gattgtgccc gtagattctg tggggatggg attcagacag   300

cagtttatct ctgctccatg atactgagaa cctcagctgg aagactaagt ctggggatga   360

```
cttgatgact gtaggctgga ctcatgtgaa ggctcctcct ctggccttca ggggctggtt      420

gtccaatgag accttagtga gtctattgga caaaacaacc atacgggccc tctgcattta      480

gcctggggtc cctcaggaca tggtgtccan gttgcaggag gaagtgtc                   528
```

```
<210>  117
<211>  511
<212>  DNA
<213>  Homo sapiens

<400>  117
aaatgtgcct gtctgctcaa ggcaaggagg cgcgtgtcac tggagtgttg tgcacaggtg       60

agagaatcca ggggcctgct gtgtgctggt gacatctctg ggcaaggtgt aagccatttc      120

agggtttgaa gcagaggcat gacatgagtg tgggctcctc tggagcatag gttgtatcca      180

tagcttagtc atcccccccag taccttgata atttcttata cgtattaggt cctcaataaa      240

tgtctgttta attgtgctgt actattaatg ccagaaaaag gcaaatgtct caaagggatc      300

aggggacaca aatttgactc gattcaacct atttcctagt ttgtgcacaa ttttttaatg      360

gataacttcc tcctaatagt ggtttaaata tcagtactat aagacttcat tctatttgga      420

actgaataca aatgttggtt actaatgtgt aaatgtgtaa cgtatgactg atctctctac      480

agagtacggg aatgtcaggt gcatttttag c                                     511
```

```
<210>  118
<211>  1382
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (1324)..(1324)
<223>  n =  a, c, g or t

<400>  118
aaatgtgcct gtctgctcaa ggcaaggagg cgcgtgtcac tggagtgttg tgcacaggtg       60

agagaatcca ggggcctgct gtgtgctggt gacatctctg ggcaaggtgt aagccatttc      120

agggtttgaa gcagaggcat gacatgagtg tgggctcctc tggagcatag gttgtatcca      180

tagcttagtc atcccccccag taccttgata atttcttata cgtattaggt cctcaataaa      240

tgtctgttta attgtgctgt actattaatg ccagaaaaag gcaaatgtct caaagggatc      300

aggggacaca aatttgactc gattcaacct atttcctagt ttgtgcacaa ttttttaatg      360

gataacttcc tcctaatagt ggtttaaata tcagtactat aagacttcat tctatttgga      420

actgaataca aatgttggtt actaatgtgt aaatgtgtaa cgtatgactg atctctctac      480
```

```
agagtacggg aatgtcaggt gctattttta gctggcaaaa ccaaaggctg tttttattct      540

cctccttacc ttgatgacta tggggagacc gaccagggac tcagacgggg aaatccttta      600

catttatgca aagagcgatt caagaagatt cagaagctct ggcaccaaca cagtgtcaca      660

gaggaaattg gacatgcaca ggaagccaat cagacactgg ttggcattga ctggcaacat      720

ttataattat tgcaccacca aaaacacaa acttggattt ttttaaccca gttggctttt      780

taagaaagaa agaagttctg ctgaatttgg aaataaattc tttatttaaa ctttccttcc      840

cagtttttata gtttctggtt ctgaggactg atgaaaatca tcttccatca gcagattttc      900

ttgcactgtt tgctgtgccc ctcaaatata atgtcttggg ttttaagatc gagcaaggag      960

cttctcttcc tagattggat cccagccct ttgtgggggt ctgactgcat agtcccagcc     1020

attatgtgat atttcacgtt attgatgata gtgaaccgtg ggtccgaagc tgactcaacg     1080

gaggcaggga acaaagtctc tgtggtctgt tgggtcatac ttcctggttc cactgagtgg     1140

cccaacactg ggactgggtt ggtgtcccct ctgctgacag gaccctactc ctaggagcaa     1200

agtggttgat tttgaaggca gtgttccctt ctctccattg actatgagag agttggggga     1260

cacacatgca agaagaagcc cgtggggaga aggtggattc ctggtgtgct ggctggtttt     1320

tcanggctgt tagaggtttt ttttttcttt tttttttta aggcaagact tttggctttg     1380

ag                                                                     1382
```

```
<210>  119
<211>  92
<212>  DNA
<213>  Homo sapiens

<400>  119
cttctaataa atgcaaatta ctttgtggca aatactgaga agaggtctgt ttacaagcta       60

ctatacttat aataagggaa ataaatgagc ct                                     92
```

```
<210>  120
<211>  474
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n =  a, c, g or t


<220>
<221>  misc_feature
<222>  (465)..(465)
<223>  n =  a, c, g or t
```

<400> 120

```
catcaccgct ctcctggcca ttctcacctt tccccaacct gccgaagacc cagagaatct      60

cctaggttct ccctttgctg gcgacctcat ccaccatcaa aacctccgcc agggtcctgg     120

ctgagtcatc atccatcaca gcaggctggt acaacatcac agtggaggac aattctctag     180

ggaccacaga ggatatgaat gtgacctggg ttagcaaagg cctccccaag aagctggagc     240

agagtggggc accaggatca gcccccaatc cctggacctt ggctgtgagc ctgcctgagc     300

ctgagccagt gcaatgcngg tcttctgtat gtggtcagaa acttcagaca ccagaaaact     360

gtcaccttag atgttggaag agtctgttga gcttaacaaa ttgccagcaa ggtgagtgtg     420

cccaattctg gagacactct ttcccaggag attgggaatg cagtntttgg gtgc          474
```

<210>   121
<211>   357
<212>   DNA
<213>   Homo sapiens

<400>   121

```
gctaatctgg agagcactgc taaaatgtta gagtctaagt aagctctgta cccaggggat      60

aaaatgttac tggacagagc atacatgtat ctgttagagt gagattcttt gctctttca     120

gtaaaggact actgactcaa aatcaattga agatcacata caggaaaact ttgaggtttt     180

ttttttttc ttcctcaaat catgggagag attttcaaag aagaaaaaat agaaaatatt     240

ttaatgcact ttaaaaatac aggtttgtct gcaccatctg tcaggtaaaa aaaaatgaat     300

tttagggaaa gagcacagat gtttattaat tcaatgtaga aagtatatta ctggctg       357
```

<210>   122
<211>   641
<212>   DNA
<213>   Homo sapiens

<400>   122

```
ttttgagacg gagtcttgct ctgtctctca ggctggagtg taatggcaca gtcttggctc      60

actgcaactt ccacttccca ggttcaagca attctcctga ctcagcctcc cgagtagctg     120

ggattacagg cacccacaac cgcacccagc taattttgt attttagta gagatgggat       180

ttcaccatcc tggccagact ggtcttgaac tcatgacctc atgatccatc caccttggcc     240

tcccaaaatg ctgggattac aggcgtgagc caccacacct ggcccagcca gtaatatact     300

ttctacattg aattaataaa catctgtgct ctttccctaa aattcatttt ttttttacctg    360

acagatggtg cagacaaacc tgtatttta aagtgcatta aaatattttc tatttttct       420

tctttgaaaa tctctcccat gatttgagga agaaaaaaaa aaaaacctca aagttttcct     480
```

```
gtatgtgatc ttcaattgat tttgagtcag tagtccttta ctgaaaagag caaagaatct    540

cactctaaca gatacatgta tgctctgtcc agtaacattt tatcccctgg gtacagagct    600

tacttagact ctaacatttt agcagtgctc tccagattag c                        641
```

```
<210>  123
<211>  358
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (79)..(79)
<223>  n =  a, c, g or t


<400>  123
gatctcctcc tcgtgttcct ctcttactaa atagctcagg ccaaaaatgc cagggtcacc     60

aacaatgcct ctcttctcna cataccccac acccaatcca tcagcaaatc ttgtcaactc    120

tgaattcaga atataccca catccgaatg catctttcca tccctccacc aatcaccttc    180

cttcaagccc ccatcattct taactggatt atcataacca cctcctcact ggttgtactg    240

tttccactat tgtcccccgc tcatttaatc tatccttgta caccacacca gtgatcctgt    300

ttaaatgtaa atcagggcca gtcttggtgg ctgacacctg gaattccagc ctcccgag      358
```

```
<210>  124
<211>  475
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (370)..(370)
<223>  n =  a, c, g or t


<400>  124
tgtagacaca gggtgtgtgt gtggggtctt gctatgttgc ccaggctggt ctcgaactcc     60

tatcctcaag tgatcctccc acctcagcct cccaaagttc tggaattcca ggtgtcagcc    120

accaagactg gccctgattt acatttaaac aggatcactg gtgtggtgta caaggataga    180

ttaaatgagc gggggacaat agtggaaaca gtacaaccag tgaggaggtg gttatgataa    240

tccagttaag aatgatgggg gcttgaagga aggtgattgg tggagggatg gaaagatgca    300

ttcggatgtg gggtatattc tgaattcaga gttgacaaga tttgctgatg gattgggtgt    360

ggggtatgtn gagaagagag gcattgttgg tgaccctggc atttttggcc tgagctattt    420

agtaagagag gaacacgagg aggagatcct atttgagggg ggaaatttag tattt         475
```

```
<210>   125
<211>   279
<212>   DNA
<213>   Homo sapiens

<400>   125
tgcaaataga gattgttata ccttttcctt tctattccaa agtgtctaaa agattttttc      60

ttagctagtg gcattggatg acacctataa tgtcttctaa aaatagtagc agtcataggc     120

accatttcct tattttgaat attcattcat gttacaaagt ttataggaat ttctgaatta     180

ttaagtactt ttaataggaa tgaaggttat tgtcattatt gcatcaaaat tccataagaa     240

agtttggtgg tcaaaatttg tggcctttgt ggtggtaag                            279


<210>   126
<211>   465
<212>   DNA
<213>   Homo sapiens

<400>   126
ctttcaaagt ccactcaaaa attatctttc ttgaagtcac ccatgactga aacgtctccc      60

catcagatct tcagtgactc ttttcagaaa ttgccattag gcaaagaact gccaggatct     120

ttactagcaa tggtagttct tcctcccaaa aatgtggaaa ggctttgaga taaaagcact     180

tatctttaca cctgcaatga ctaggacaag aaaatgtcac tgccagcagt tgatgcttca     240

ccagcgtgtt gtaatatatg atgtgcattt tacatgtgga ctctcattta aattcttaaa     300

acatatccgt tagtcagata acatcatctc actttgcact ggaggaaacc aagttcagat     360

aggatatata ccattgaatg accaagaggt taataaatat tgatgatgta aaggaaaatt     420

atttctcagc agccaagtac taaaactttg taactggaga agatg                     465


<210>   127
<211>   54
<212>   DNA
<213>   Homo sapiens

<400>   127
ggctttcaat ttccattgtc attccgcatt gctaatagtt tcttccaaat cctt            54


<210>   128
<211>   564
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (551)..(551)
<223>   n =  a, c, g or t
```

<400> 128
```
tttggatttg gaatatggaa gaaagtctgg gataaattta tggatttgtg aaaagtttat      60

agaggaatgt aaaacaaagt ggaaaaggag accctaaaag aaatatgaaa aagtagacta     120

agaagagctc atatagaaag gaatctgagt agaacctgaa ttatctatga tcacaaaatc     180

ggtgcctcta tttttctta ttggggatgc ctcatgcgtt gtatctttc ttgaagagga      240

agacttccta tcacgtcctc ttagaaggct attcttagta atttccaaaa tgatagctta     300

cgcattagtt gaaataatac tagctgcttt aataaacaaa cccccaaatc tttgggactt     360

agcaaaatag acatttcttt atctctcatg taaagtccaa aactggtgtt cgtgattgat     420

agacagattt tttttaaaa aatcagtggt taagatattc agactccttc catcttatat      480

ttttgccatt gtgaacactt ggctttcaat actgttatgt taatctgtct caagtcagag     540

gatggaggat nggggatcac tcat                                           564
```

<210> 129
<211> 172
<212> DNA
<213> Homo sapiens

<400> 129
```
atgaaatggg aaaattcatc gaatgacaca aactaccaca attcacttaa aataaaacac      60

acatacacat aacagataat ctgagagccg attatgaaat gaaggaattg aatttgtagc     120

ctaaaatgtt ttcaaaaaga aaattccaga gccatataac tttactggtg ga             172
```

<210> 130
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (328)..(328)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n = a, c, g or t

<400> 130

```
gttttgctaa tttccaggaa cattcccca caacagctgg tacaggcttt tctacactac    60

tcaaggcccc agttgtacct tcttccattc tcagcagagt ttctcacctt caaatgtact   120

aaaataatgc agcctctcaa caaacactca ctgagacttc tttgccaggc aatggagata   180

agtgagcccc ctcaaggagt ccacaggcca gtggaggaga aggaaatgca acagggtgat   240

ataggaatat tcttggtgtc actgatggat tttgaggata gtgccatcat gaggacagtg   300

tttagggaag aggagtgagg caggtgtngg agggactgga ggatgtagag atagtggcag   360

gaaggcagag aaagatgcca cagtctaggt gaagggtaag aagtcctggt tggagatngg   420

ggtgaagagg angtgctgcc gaggtgacgg gtgtgaatga tcttgcaaag gtaagtagca   480

acgt                                                               484
```

<210> 131
<211> 901
<212> DNA
<213> Homo sapiens

<400> 131
```
gcaatatatt ccttcatgag ctttgttttc ctgcagtgcc caatgatcca cttgtaccga    60

ctgctgtgtt aggtgaggcc ctaaatcttt atcatctttt cattgcatgg atcacacctc   120

cttgcatggg tttgcccaca tagagattat ttacagtgca ggaggcagct tggttttgaa   180

aatagacagc catggtatta tcaaagagag caactgtgtt caacccaata tcagatctag   240

tggatttcaa attagcaagg catgctattt aatgtattct tcaattcttg gttgttagat   300

ttggagcaaa agtacatggc ccttaatgtc tgactaatat taatgtgtca aaattagtag   360

aatgaagcca aatgcataca tctggagggt gcaatgttgc ctgaataact agtttatatg   420

taaaagtcta cctaatggaa agggatgttt ctaaaatcct cccaatttat aaccacgaaa   480

gaacaaattt acaagtaaat attaggatta tgtgcatttg ctctagcttt tgtctttatt   540

aagaatgttt taatgtaggt aaagttgcta aaatcttgat gtggggtttg acattctaca   600

tgaaccttac ctgataagta atgttatctt tcaagaaatt tagaacaagc tacttgggtt   660

accactgtat aacatctaag acaatgctat tactaatgac aattaacgct tttacagatg   720

taaaattata ttaattttta aacctaccta tatatttaag aatggaatgg gtttcatttt   780

tcatttcact ttgtaccctg ttccttgact aattatacac caatgattag taatcagctt   840

gcctgtatgt ttacaggttc catatcaatt ttaccagcgt ttctagttaa gctttaacca   900

a                                                                  901
```

<210> 132
<211> 782

<212> DNA
<213> Homo sapiens

<400> 132
```
caaggaaaat aataagtaaa atgcaagtaa atcagaattt gcaaagaaaa aattatgaat        60

taaacaacat tgaaaagtat ctggtaatct gtaccaatct actttgtaag ttagttgaag       120

aaagaagata aggggatata attacaaata aagagaactt tttaaaaata aaaagaataa       180

catatatcat ttttatcata tatgtaatca ttatacatgt aacgaaatat atgtaaaata       240

gcatatacat tttaaaaaaa tctagaatcc agatgaaatg catagtttct agaaaaatgt       300

aaattactaa cattgactca agaaaagtag ataacctaaa tagaccaatt acaatacaag       360

aaaccaaata tagttaaaat attcccttaa agaaacatta aaaaatttag ttttatggtg       420

gctgattaaa atgaccattt cttatttttt tctttcaatt attattaaaa actaaccaga       480

aaaataaaaa gcaaaaagt taaattcttt ggttgaaacc agcagactac ttaaatctct        540

gaattgcaaa ataagaagcg agcagcccaa atcagtcaag gtgaaacagg tgtgagtgga       600

gagagacact ggaaaaaaat ggtcataact tcagagctca gaaatgttg gcaaagcatt       660

ccttactaac ttaagtggca caacctattg caaaacggca cgtttttctt tacaacagga       720

ccaaggtcta gggactctta gtgggaaatt acctgagtct gattctgagg agaaatagag       780

ag                                                                       782
```

<210> 133
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (293)..(347)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n = a, c, g or t

<400> 133
```
gttcctcaaa cccagcatgt ctgttcccac ctcagaggct tagcgcatgc tgtagcccct        60

gactggggag ctcctcctca gatatttgca tggcagtgcc ttcatcactc aagaacctac       120

tcaaggtcac ctcctcagat gagccctccc tgccaatcca gtatcgtctc cctccttatt       180

tactttaatt tttccatggc tctcagcatc attatctgaa aatgtaccta ttgtgcgttt       240

gtttacttgc ttattgtcta tttcccacac ttgaatgttc cataggcag ctnnnnnnnn       300
```

```
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaat tttgttgttg     360

ttgagtgaga aacaaattgg tcctttggnc gttccccaca caagcatagc tat           413
```

```
<210>   134
<211>   440
<212>   DNA
<213>   Homo sapiens

<220>
<221>   misc_feature
<222>   (300)..(300)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (311)..(311)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (328)..(328)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (347)..(347)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (372)..(372)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (378)..(378)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (396)..(396)
<223>   n =   a, c, g or t


<220>
<221>   misc_feature
<222>   (399)..(399)
<223>   n =   a, c, g or t


<220>
```

<221>   misc_feature
<222>   (408)..(410)
<223>   n = a, c, g or t

<400>   134
tcggctcgag caggaatgag ccactgcgcc tagcctatgt tccttgatta atacctccaa   60

atctgttcaa gaaatatgac aatcaaatca catgcaagtg gtatacagag caaaattggt   120

tgggttagct actatattga atatttccat taaaaggact agaagggaaa cacacatgat   180

gatttctctt tttccaagag gcattttggg cagaggtaac aatgaggcag tggaggtatc   240

ctacaatttg aagcaatttt tctccttatt agccatttca tgaaaattat actataacan   300

ccatcagagg nagatatttt gttcaganta atatctatat ggcctgnaaa cagactaaga   360

agttatcatc cnccttntg ttgttttgaa atttantcna aaaataannn ttttggatta   420

tatatatata ttatattttt   440

<210>   135
<211>   186
<212>   DNA
<213>   Homo sapiens

<400>   135
ggtcatttga gataccttgt taatttagtt ttaagtaatc aagagtggtg atgttttatt   60

catctttaaa actgttatga ctgaacggtc agaaatgatg gtatgtcttg ttctgttacc   120

aactagcaat ttatgtttca gtaaactgct ctatgtgata attcttgtgt taaaaatacc   180

attact   186

<210>   136
<211>   91
<212>   DNA
<213>   Homo sapiens

<400>   136
tttgtacacc tattttagaa gttcctataa atactttgaa ataagatctt tcccccttc   60

atggcaacca catatctact atatatctct g   91

<210>   137
<211>   76
<212>   PRT
<213>   Homo sapiens

<400>   137

Met Lys Gly Leu Tyr Gln Ala Ala Phe Gln Leu Leu Glu Lys His Phe
1   5   10   15

Leu Ser Thr Gly Leu His Leu Lys Leu Pro Ser Trp Tyr Leu Val Glu
            20   25   30

Ala Gly Phe Gln Ala Glu Glu Ser Gly Pro Gly Leu Cys Ala Phe Ser
            35   40   45

Ser Ser Ala Gln Leu Leu Leu Gly His Pro Cys Asp Ile Ile Phe His
        50   55   60

Leu Thr Thr Ala Lys Gly Arg Asn Ala Arg Leu Ile
65   70   75

<210>   138
<211>   48
<212>   PRT
<213>   Homo sapiens

<400>   138

Met Ser Pro Ile Leu Gln Arg Ala Pro Leu Ala Thr Ser Leu Cys Trp
1   5   10   15

Leu Ser Gly Gly Glu Gly Ile Ser Gly Ala Leu Asp Met His Leu His
            20   25   30

Tyr His Trp Phe Pro Val Phe Tyr Glu Val Ser Ile Ser Asp His Gly
            35   40   45

<210>   139
<211>   82
<212>   PRT
<213>   Homo sapiens

<220>
<221>   MISC_FEATURE
<222>   (32)..(39)
<223>   any amino acid

<400>   139

Met Asn Arg Thr Ser Pro Pro Trp Gly Val Glu Arg Ser Trp Ser Asn
1   5   10   15

His Leu Ser Gly Gly Thr Thr Phe Leu Tyr Cys Cys Leu Val Ile Xaa
            20   25   30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Asn Leu Leu Thr Ile Ala Gln Thr
            35   40   45

Tyr Met Leu Phe Met Val Tyr Leu Lys Ile Lys Ser Lys Thr Lys Met
    50   55   60

Thr Asn Val Ser Ser Ala Asn Cys Cys Ser Gly Ser Tyr Tyr Ser Leu
65   70   75   80

Tyr Phe

<210> 140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 140

Met Pro Leu Ser Phe Gln Thr Cys Ala His Cys Ser Ala Thr Trp Phe
1   5   10   15

Ala His Pro Met
            20

<210> 141
<211> 47
<212> PRT
<213> Homo sapiens

<400> 141

Met Cys Lys Asn Gly Ile Ile Thr Ser Thr Ser Leu Val Glu Lys Thr
1   5   10   15

Thr Trp His Arg Val Asn Ser Gln Cys Met Ser Glu Phe Thr Lys Cys
            20   25   30

Gly Asn Asn Met Thr Phe Phe Ser Gly Cys Ile Leu Tyr Leu Met
        35   40   45

<210> 142
<211> 49
<212> PRT
<213> Homo sapiens

<400> 142

Met Thr Thr Asn Phe Glu Asn Arg Leu Ser His Asn Lys Leu Glu Phe
1   5   10   15

Met Glu Thr Ser Val Glu Gly Asn Thr Thr Phe His Pro Phe Thr Glu
            20   25   30

Ile Ile Tyr Leu Gln Leu Arg Ile Ile Cys His Val Tyr Tyr Leu Leu
        35   40   45

Met

<210> 143
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (23)..(23)
<223> any amino acid

<400> 143

Met Asp Gln Lys Cys Gln Val Xaa Ser Lys Thr Ala Ala Trp Ala Cys
1   5   10   15

Trp Thr Leu Tyr Pro Lys Xaa Val Val Val Ser Arg Asn Leu Ala Thr
            20   25   30

Ser Asn Arg Asp
        35

<210> 144
<211> 92
<212> PRT
<213> Homo sapiens

<400> 144

Gln Met Gly Asp Glu Glu Ser Pro Asn Lys Gly Pro Ile Pro Ile Cys
1   5   10   15

Tyr Thr Leu Phe Arg Lys Phe Trp Gln Leu Arg Asp Ser Ser Gly Thr
            20   25   30

Leu Val Gln Cys Phe Glu Lys Ile Pro Gly Lys Thr Phe Pro Arg Tyr
        35   40   45

Pro Glu Glu Val Ala Pro Val Phe Arg Gly Phe Lys Leu Val Asp Pro

```
         50                       55                      60
```

Gln Pro Ser Gly Lys Lys Met Glu Glu Cys Lys Thr Gly Gly Glu His
65   70   75   80

Val Tyr Phe Ala Lys Phe Leu Thr Ser Glu Lys Val
                85   90

<210> 145
<211> 95
<212> PRT
<213> Homo sapiens

<400> 145

Met Ile Lys Phe Cys Leu Arg Ile Leu Thr Leu Pro Glu Ser Asp Gln
1   5   10   15

Gln Ile Val Thr Cys Tyr Pro Asn Phe Leu Thr Gly Pro Tyr Lys Leu
            20   25   30

His Ile Leu Ser Val Arg Leu Ser Asp Val Ser Glu Ile Phe Trp Ala
        35   40   45

Leu Leu Gly Thr Leu Leu Ser Arg Asn Pro Asp Val Ile Val Leu Tyr
    50   55   60

Phe Lys Lys Val Val Leu Leu Gln Ala Leu Ile Glu Asp Glu Leu Met
65   70   75   80

Glu Arg Leu Lys Glu Met Met His Val Asn Ile Arg Val Pro Lys
                85   90   95

<210> 146
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> any amino acid

<400> 146

Met Tyr Thr Gly Thr Gln Ser Val His Thr His Glu Tyr Val His Thr
1   5   10   15

His Thr Xaa Ala His Thr His Thr Asn Thr Pro Asn Cys Asp Met Met

```
              20                      25                      30

Arg Phe Ala Asn Asp Gly Thr Ala Ser Gln Asp Leu Cys Ala Thr Thr
        35                  40                  45


Glu Gln Ser Ser Lys Gln Ala Ser Arg Pro Leu Tyr Leu Phe Ser Val
        50                  55                  60


Val Thr Thr Leu Leu Val Ser Arg Ser Gln Arg Ser Arg Tyr Leu Lys
65                      70                  75                  80


Ser
```

```
<210>  147
<211>  43
<212>  PRT
<213>  Homo sapiens

<400>  147

Met Ser Leu Ile Ser Thr Trp Tyr Pro Leu Ser Tyr Thr Gly Tyr Val
1                   5                   10                  15


Ser Gly Ser Leu Gln Leu Gln Phe Met Ala Val Tyr Lys Ile Ser Pro
                20                  25                  30


Glu Leu Val Leu Thr Ser Phe Tyr Phe Cys Lys
        35                  40
```

```
<210>  148
<211>  93
<212>  PRT
<213>  Homo sapiens

<220>
<221>  MISC_FEATURE
<222>  (23)..(31)
<223>  any amino acid


<220>
<221>  MISC_FEATURE
<222>  (76)..(76)
<223>  any amino acid


<220>
<221>  MISC_FEATURE
<222>  (92)..(92)
<223>  any amino acid
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<400> 148

Met Phe Leu Leu Thr Thr Gln His Pro Gln Cys Leu Thr Tyr Ser Arg
1   5   10   15

Cys Tyr Val Ser Ala Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
            20   25   30

Cys Trp Val Gly Glu Gly Pro Gly Glu Gly Ser Gly Thr Glu Gly Met
        35   40   45

Pro Gly Ser Leu Leu Pro Thr Ala Ser Thr Asp Gln Gln Arg Leu Gly
    50   55   60

Pro Lys Gly Asp Ile Pro Gly Gly Arg Gly Arg Xaa Pro Pro Cys Leu
65   70   75   80

Pro Ala Gly Gly Pro Arg Arg Arg Ala Gly Arg Xaa Thr
                85   90

<210> 149
<211> 53
<212> PRT
<213> Homo sapiens

<400> 149

Met Gln Pro Ile Tyr Asn Lys His Ser Pro Cys Asn Pro Ser Ser Pro
1   5   10   15

Thr His Leu Thr Leu Pro Glu Lys Met Ala Asn Tyr Val Arg Ala Leu
            20   25   30

Cys Ile His Leu Phe Val Val Lys Thr Arg Arg Gly Val Ser Ser Glu
        35   40   45

Met Gly Lys Arg Leu
    50

<210> 150
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> any amino acid

<400> 150

Met Pro Leu Phe Thr Leu Glu Ser Ile Pro Ile Cys Ile Ile Lys Tyr
1   5   10   15

Met Val Ala Xaa Leu Leu Ser Tyr His Tyr Gln Phe Cys His Gln Tyr
            20   25   30

Val Ile Ala Leu
        35

<210> 151
<211> 47
<212> PRT
<213> Homo sapiens

<400> 151

Met Ala Gly Pro Pro Cys Arg Ala Thr Leu Glu Arg Cys His Thr His
1   5   10   15

Ala Thr Asp Gly Trp Tyr Val Leu Ser Ser Val Glu Gly Asp Ile Asn
            20   25   30

Val Gly Trp Ser Asp Glu Arg Arg Leu Pro Glu Arg Ser Gly Leu
        35   40   45

<210> 152
<211> 41
<212> PRT
<213> Homo sapiens

<400> 152

Met Val Thr Ala Ala Pro Val Tyr Leu Leu Gln Ile Arg Asn Leu Trp
1   5   10   15

Leu Arg Ala Ala Arg Ser Gln Gly Gln Ala Asp Ser Ala Asp Lys Trp
            20   25   30

Gln Ser Trp Asn Pro Leu Pro Gly Val
        35   40

<210> 153
<211> 81
<212> PRT
<213> Homo sapiens

<400> 153

Met Thr Ala Gly Pro Leu Asp Gly Trp Met Val Arg Glu Glu Lys His
1   5   10   15

Ser Cys Thr Arg Lys Thr Gly Arg Lys Arg Ser Gln Ala Gln Gln Ile
            20   25   30

Pro Ser Gly Trp Trp Lys Trp Ser Ser Ala Lys Tyr Cys Cys Tyr Cys
        35   40   45

Cys Cys Arg Leu Cys Met Asn Phe Ile Tyr Leu Asp Pro Gly Ala His
    50   55   60

Ala Ala Glu Ser Leu Phe Gln Val Lys Cys Leu Gly Val Pro Ser Arg
65   70   75   80

Ser

<210>   154
<211>   51
<212>   PRT
<213>   Homo sapiens

<400>   154

Met His Phe Lys Lys Thr Lys Leu Gln Tyr His Tyr Tyr Ile Leu Lys
1   5   10   15

Leu Thr Leu Val Pro Tyr His His His Ile Ser Ser Gln Glu Leu Asn
            20   25   30

Tyr Pro Asp Cys Leu Arg Ile Phe Leu Pro Val Gly Leu Leu Glu Ser
        35   40   45

Glu Phe Lys
        50

<210>   155
<211>   10
<212>   PRT
<213>   Homo sapiens

<400>   155

Met Gln Asn Lys Val Arg Gly Ser Ile Lys
1   5   10

<210>   156
<211>   41

<212> PRT
<213> Homo sapiens

<400> 156

Met Asp Gln Glu Lys Lys Thr Leu Gln Ser Lys Leu Asn Leu Glu Val
1   5   10   15

Gly Glu Ala Gly Arg Lys Lys Asn Arg Arg Glu Leu Lys Met Met Arg
            20   25   30

Gly Leu Glu Thr Ile Gln Ser Gln Lys
        35   40

<210> 157
<211> 36
<212> PRT
<213> Homo sapiens

<400> 157

Met Asp Ser His Pro Pro Phe Leu Asn Leu Leu Ala Lys Ile Asn Met
1   5   10   15

Pro Leu Tyr Cys Asp Pro Ile Ile Val Ser Thr Tyr Leu Phe Leu Ile
            20   25   30

Thr Cys Met Leu
        35

<210> 158
<211> 57
<212> PRT
<213> Homo sapiens

<400> 158

Met Ser Tyr Glu Thr Arg Leu Tyr Ser Tyr Pro Ile Phe Ala Gly His
1   5   10   15

Leu Ser Asp Ile Ile Ser Tyr Val Met Phe Ile Ala Thr Leu Asp Lys
            20   25   30

Thr Leu Lys Thr Phe Leu Ser Leu Gly Ala Lys Tyr Ser Asn Gln Gly
        35   40   45

Asp Ser Phe Ala Tyr Leu Val Val Lys
    50   55

<210> 159

<211> 57
<212> PRT
<213> Homo sapiens

<400> 159

Met Gly Glu Gly Lys Leu Thr Gly Phe Pro Trp Ser Arg Glu Gln Gln
1   5   10   15

Met Ala Ala Ala Arg Gln Ala Arg His Gly Ser Gln Arg Lys Arg Pro
            20   25   30

Ile Gly Phe Arg Val Trp Met Gln Ile Tyr Lys Cys Gly Gln Lys Ile
        35   40   45

Gln Thr Ser Ser Ile Lys Glu Gly Ala
    50   55

<210> 160
<211> 103
<212> PRT
<213> Homo sapiens

<400> 160

Met Cys Val Val Thr Ser Ser Pro Pro Ser Val Asp Ile Val Asn Asn
1   5   10   15

Ile Leu Gly Gly Cys Thr Pro Pro Ala Ile Trp Gly Val Ala Ser Ser
            20   25   30

Ser Pro Pro Leu Asp Ile Ile Asn Asn Ile Thr Arg Gly Cys Thr Leu
        35   40   45

Pro Val Ile Lys Gly Glu Ile Gln Phe Phe Pro Pro Gln Arg Tyr Tyr
    50   55   60

Glu Gln Tyr Arg Arg Glu Leu Phe Ser His Ala Ile Trp Gly Val Thr
65   70   75   80

Ser Ser Ser Ser Pro Trp Ile Leu Arg Lys Ile Met Gln Gly Asn Val
            85   90   95

Asn Pro Leu Arg Tyr Gly Glu
            100

<210> 161
<211> 46
<212> PRT

<213> Homo sapiens

<400> 161

Met Phe Tyr Gln His Leu Ile Ser His Asn Ile Ile Val Leu Asn Val
1   5   10   15

His Ile Lys Lys Asn Gln Lys Arg Leu Trp Thr Phe Ile Lys Gln Gly
                20   25   30

Tyr Thr Lys Gln Val Pro Ile Ser Phe Lys Arg Leu Lys Ser
        35   40   45

<210> 162
<211> 22
<212> PRT
<213> Homo sapiens

<400> 162

Met Leu Asn Lys Val Gly Ser His Lys Asn Gln Ile Leu Ser Glu Ser
1   5   10   15

Thr Tyr Lys Arg Tyr Arg
                20

<210> 163
<211> 76
<212> PRT
<213> Homo sapiens

<400> 163

Met Ser Thr Val Val His Leu Tyr Ser Cys Phe Asn Gln Ser Phe Glu
1   5   10   15

Ile Gln Tyr Val Asn Lys Val Ser Asn Asn Pro Glu Ser Leu Lys Cys
                20   25   30

Thr Asn Ile Gln Val Gln Phe Ile Phe Tyr Phe Lys Arg Lys Val Lys
        35   40   45

Glu Leu His Cys Leu Asn Gly Phe Ser Val Tyr Asn Lys Arg Tyr Ile
    50   55   60

Asn Asp Phe Lys Asn Lys Lys Ser Lys Ile Glu Ser
65   70   75

<210> 164
<211> 38

<212> PRT
<213> Homo sapiens

<400> 164

Met Lys Asn Ala Ala Ile Ile Ser Lys Ile Trp Cys Ser Thr Leu Ile
1   5   10   15

His Thr Asp Thr Pro Gly Val Leu Pro Thr Ile Ser Phe Val Pro Leu
            20   25   30

Val Gln Met Leu Ile Trp
        35

<210> 165
<211> 53
<212> PRT
<213> Homo sapiens

<400> 165

Met Gln Ser Pro Arg Met Ile Glu Asp Tyr Leu Leu Leu Asp Gln His
1   5   10   15

Ala Val Trp Arg Trp Arg Arg Asn Ser Phe Arg Phe Arg Gln Lys Pro
            20   25   30

Ser Tyr Leu Ser Leu Tyr Tyr Ile Asn Phe Phe Met Thr Arg Val Glu
        35   40   45

Val Asn Val Leu Lys
    50

<210> 166
<211> 23
<212> PRT
<213> Homo sapiens

<400> 166

Met Val Trp Tyr Phe Cys Gly Leu Phe Pro Ile Met Asp Thr Phe Ser
1   5   10   15

Phe Gln Thr Phe Gly Asn Lys
            20

<210> 167
<211> 32
<212> PRT
<213> Homo sapiens

<400> 167

```
Met Ile Phe Lys Ser Tyr Phe Gly Ala Ala Val Cys Tyr Leu Pro Leu
1               5                   10                  15

Ala Phe Cys Met Lys Arg His Ser Leu Ser Ile Leu Leu Arg Glu Asp
            20                  25                  30
```

<210> 168
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (16)..(26)
<223> any amino acid

<400> 168

```
Met Ser Ser Asp Lys Lys Lys Lys Gln Glu Tyr Thr Cys Asn Cys Xaa
1               5                   10                  15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Gly Arg Asp Lys Gly
            20                  25                  30

Glu Arg Asn Glu Gly Phe Tyr Leu Ile Phe Gly Arg Lys Ala Val Ala
            35                  40                  45
```

<210> 169
<211> 21
<212> PRT
<213> Homo sapiens

<400> 169

```
Met Asn Ser Asn Arg Ile Asn Thr Met Lys Phe Thr His Ser Gln Thr
1               5                   10                  15

Thr Lys Asn Glu Arg
            20
```

<210> 170
<211> 35
<212> PRT
<213> Homo sapiens

<400> 170

```
Met Gln Leu Gln Cys Leu Ile Lys Leu His Thr Trp Lys Leu Ser Val
1               5                   10                  15
```

Asn Ala Tyr Cys Cys His Tyr Trp Cys Lys Leu Asn Leu Asn Ile Ser
            20   25   30

Ser His Ile
        35

<210> 171
<211> 14
<212> PRT
<213> Homo sapiens

<400> 171

Met Lys Trp Thr Pro Thr Ser Tyr His Thr Gln Asn Arg Ser
1   5   10

<210> 172
<211> 70
<212> PRT
<213> Homo sapiens

<400> 172

Met Pro Gly Pro Phe Ser Tyr Leu Ser Tyr Phe Leu Gln Asn Tyr Met
1   5   10   15

Glu Cys Tyr Phe Glu Thr Asn Thr Ile Gln Ile Asn Leu Tyr Ser Ala
            20   25   30

Tyr Ser Pro Thr Pro Phe Pro Tyr Lys Lys Ser Glu Glu Asn Glu Thr
            35   40   45

Pro Gln Ala Phe Tyr Gly Lys Ile Leu Phe Val Cys Lys Ala Ile Ser
        50   55   60

Glu Ala Met Leu Gly Leu
65   70

<210> 173
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (26)..(26)
<223> any amino acid

<400> 173

```
Met Leu Leu Glu Ser Pro Lys His Leu Ala Arg Pro Pro Thr Asn Gln
1               5                   10              15

His Val Asn Ser Ser Arg Thr Arg Arg Xaa Leu Leu Arg Ser Pro Arg
            20                  25              30

Gly Pro Gly Arg His Leu Thr Leu Arg Thr Ala Gly Val Leu Tyr Val
        35                  40              45

Ser Ile Thr Gln Gln Thr Arg Asn Ala Trp Gln Tyr Thr Pro Pro Leu
        50                  55              60

Leu Leu Pro Gly Pro Trp Gln Glu Arg Asp Lys Tyr
65              70              75
```

<210> 174
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (129)..(129)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (134)..(134)
<223> any amino acid

<400> 174

```
Met Lys Trp Ser Pro Trp Ile Met Gly Arg Asp Gly Thr Met Gly Ser
1               5                   10              15

His Pro Arg Gly Pro Gly Arg Cys Ser Arg Gly Trp Asp Gln Leu Leu
            20                  25              30

Leu Leu Cys Phe Ser Thr Phe Leu Ser His Leu Glu Glu Glu Arg Ile
        35                  40                  45

Leu Leu Pro Phe Thr Gly Lys Thr Thr Glu Ala Leu Trp Ser Ser Ala
        50                  55                  60

Gly Met Gln Gly Arg Leu Trp Gln Ala Gly Leu Gln Val Arg Pro Trp
65                  70                  75                  80

Gly Ser Glu Glu Glu Gly Ala Cys Gln Glu Leu Pro Thr Arg Ser Gly
```

```
              85                        90                         95

Arg Ile His Met Leu Ile Cys Arg Arg Pro Gly Gln Val Leu Arg Arg
            100                 105             110


Leu Gln Gln His Arg Ser Ser Asp Thr Leu Gly Glu Ala Ser His His
            115             120             125


Xaa Thr Arg Glu Val Xaa Leu Pro
    130             135
```

<210> 175
<211> 45
<212> PRT
<213> Homo sapiens

<400> 175

```
Met Val Asp Leu Pro Phe Lys Thr Leu Cys Leu Trp Gly Pro Gly Leu
1               5               10              15


Cys Leu Thr Asp Leu Leu Thr Pro Ala Pro Gly Pro Asp Leu Val Leu
            20              25              30


Arg Lys Cys Met Leu Thr Asp Trp Met Asn Val Leu Phe
            35              40              45
```

<210> 176
<211> 82
<212> PRT
<213> Homo sapiens

<400> 176

```
Met Arg Asn Ala Leu Pro Leu Leu Gln Ser Met Leu Glu Lys Ser Pro
1               5               10              15


Thr Ala Val Arg Leu Gln Leu Asn Trp Ala Ile Lys Asp Gln Gln Ile
            20              25              30


Pro Ala Glu Thr Tyr Pro Ala Val Asp Ile Thr Ala Ser Gly Ile Gly
            35              40              45


His Gly Arg Ala Trp Arg His Glu Arg Ala Arg Tyr Val Gly Lys Arg
    50              55              60


Met Ser Gly Glu Glu Glu His Gln Ile Arg Ile Glu Asn Ile Lys Ser
65              70              75              80
```

Asn Arg

<210> 177
<211> 60
<212> PRT
<213> Homo sapiens

<400> 177

Met Arg Arg Gly Phe Gly Arg Ser Leu Ser Trp Ala Arg Pro Ser Leu
1   5   10   15

Tyr Ser Arg Ile Pro Arg Phe Ser Ala Pro Leu Ser Ser Ala Tyr Tyr
            20   25   30

Val Leu Gly Thr Met Leu Asn Val Leu Leu Thr Trp Ser His Phe Asn
        35   40   45

Thr His Asn Ser Ile Leu Arg Arg Glu Asn Ser Gly
    50   55   60

<210> 178
<211> 31
<212> PRT
<213> Homo sapiens

<400> 178

Met Ser Gly Leu Phe Ile Phe Ile Ile Val Asn Ile Ser Ile Val Thr
1   5   10   15

Asn Tyr Asn Lys Ile Tyr Leu Ser Ile Ser Thr Leu Ile Arg Ile
            20   25   30

<210> 179
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (21)..(21)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (53)..(53)
<223> any amino acid

<400> 179

Met Pro Pro Ile Leu Gln Met Arg Pro Ala Gly Leu Lys Ala Gly Arg
1   5   10   15

Glu Val Leu Gly Xaa Cys His Ala Gln Gly Cys Cys Leu Leu Ser Ala
            20   25   30

Gln Pro Phe Cys Lys Thr Ser Leu Pro Pro Gln Gln Ser Cys Phe Leu
            35   40   45

Pro Gly Glu Gly Xaa Val Leu Ile Ser Ala Phe Gly Gly
        50   55   60

<210> 180
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (23)..(55)
<223> any amino acid

<400> 180

Met Gly Leu Xaa Thr Thr Phe Leu Arg Arg Gly Gln Arg Ala Ser Ser
1   5   10   15

Phe His Gln Glu Arg Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            20   25   30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            35   40   45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala Leu Trp Gly Gln Phe His His
        50   55   60

Ser Leu Glu Ser Asp Val Met Thr Leu Gly Leu Ser Pro
65   70   75

<210> 181
<211> 64
<212> PRT

<213> Homo sapiens

<400> 181

```
Met Lys Leu Pro Ser Pro Tyr Ala Leu Glu Pro Pro Pro Leu Ser His
1               5                   10                  15

Pro Gly Thr Ser Pro Gln Gln Phe Ser Leu Leu Ser Pro Phe Ser Leu
                20                  25                  30

Ile Ser Pro Ser Asn Trp Ile Ile Leu Ile Cys Ile Gln Thr Cys His
            35                  40                  45

Cys Ile Phe Tyr Phe Lys Asn Thr Lys Lys Asn Leu Asp Tyr Met Ser
        50                  55                  60
```

<210> 182
<211> 122
<212> PRT
<213> Homo sapiens

<400> 182

```
Phe Phe Phe Leu Arg Gln Ser Gly Ser Val Ala Gln Ala Thr Glu Cys
1               5                   10                  15

Arg Gly Met Ile Ser Ala His Cys Ser Leu His Leu Leu Gly Ser Ser
                20                  25                  30

Asp Ser Pro Thr Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Thr Cys
            35                  40                  45

His His Ala Trp Leu Ile Phe Val Phe Leu Val Glu Ala Gly Phe His
        50                  55                  60

His Leu Gly Gln Thr Ser Leu Gln Leu Leu Thr Ser Ser Asp Pro Ser
65                  70                  75                  80

Thr Leu Ala Ser Lys Ser Ala Glu Ile Thr Gly Val Ser His His Ala
                85                  90                  95

Trp Arg Val Leu Leu Phe Asn Val Ala Thr Arg Lys Phe Thr Leu Ser
                100                 105                 110

Leu Trp Leu Thr Leu His Leu Phe Tyr Val
            115                 120
```

<210> 183

<211> 11
<212> PRT
<213> Homo sapiens

<400> 183

Met Cys Gly Ile Leu Glu Pro Val Leu His Arg
1   5   10

<210> 184
<211> 75
<212> PRT
<213> Homo sapiens

<400> 184

Met Phe Ile Pro Ile Thr Val Gly Thr Ile Lys Ala Ile Ser Leu Tyr
1   5   10   15

Pro Leu Pro Tyr Leu Arg Lys Arg Lys Ile Asn Asn Lys Val Met Lys
            20   25   30

Glu Asn Thr Leu Ala Ile Ser Pro Phe Ser Ser Gln Trp Leu Asn Leu
            35   40   45

Thr Pro Thr Tyr Asp Pro Ala Leu Lys Tyr Ser Thr Ile Lys Cys Lys
        50   55   60

Glu Arg Glu Asn Trp Gly Ser Lys Val Lys Lys
65   70   75

<210> 185
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (23)..(24)
<223> any amino acid

<400> 185

Met Leu Thr Val Lys Thr Leu Leu Ser Gln Val Cys Pro Tyr Leu Cys
1   5   10   15

Pro Leu Leu Leu Leu Gly Xaa Xaa Lys Lys Lys Ile Gln Leu
            20   25   30

<210> 186
<211> 37

<212>   PRT
<213>   Homo sapiens

<400>   186

Met Arg Leu Ala Val Leu Phe Trp His Thr Ser Tyr Ile Tyr Ile Cys
1   5   10   15

Tyr Lys Pro His Thr Thr Leu Phe Leu Leu Gly Arg Phe Leu Lys Asn
                20   25   30

Met Lys Leu Tyr Arg
            35

<210>   187
<211>   69
<212>   PRT
<213>   Homo sapiens

<400>   187

Met Pro Ser Val Gln Gln Ala Leu Ser Thr Pro Leu Ser Gly Val His
1   5   10   15

Val Arg Val Leu Ser Glu Leu Thr Leu Leu Cys Thr Leu Cys Thr His
                20   25   30

Ser Ile Ile Cys Thr Gln Leu Phe Ser Trp Glu Met Gln Leu Cys Leu
            35   40   45

Val Phe Pro Ala Pro Ser Thr Leu Ser Asn Cys Thr Ser Phe Leu His
        50   55   60

Leu Ala Ile Ser Leu
65

<210>   188
<211>   72
<212>   PRT
<213>   Homo sapiens

<220>
<221>   MISC_FEATURE
<222>   (11)..(11)
<223>   any amino acid

<220>
<221>   MISC_FEATURE
<222>   (5)..(5)
<223>   any amino acid

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<220>
<221>  MISC_FEATURE
<222>  (57)..(59)
<223>  any amino acid


<400>  188

Met Ser Ile Ile Xaa Leu Phe Tyr Ser Thr Xaa Phe Gly Ala Cys Tyr
1               5                  10                 15


Gly Gly Met Val Ser Gly Ile Val Ala Met Lys Ser Met Ser Phe Glu
            20                  25                 30


Glu Ala Gln Gly Lys Phe Arg Lys Phe Ser Cys Met Arg Lys Cys Leu
            35                  40                 45


Leu Thr Asn Thr Gly Leu Lys Lys Xaa Xaa Xaa Phe Ser Val Phe Val
        50                  55                 60


His Ser Leu Gln Asn Leu Leu Leu
65                  70


<210>  189
<211>  18
<212>  PRT
<213>  Homo sapiens

<400>  189

Met Ile Leu Val Gly Arg Ser Pro Leu Ala Phe Met Met Ile Leu Tyr
1               5                  10                 15


Val Cys



<210>  190
<211>  38
<212>  PRT
<213>  Homo sapiens

<220>
<221>  MISC_FEATURE
<222>  (2)..(2)
<223>  any amino acid


<220>
<221>  MISC_FEATURE
<222>  (26)..(27)
<223>  any amino acid
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<400> 190

Met Xaa Leu Thr Met Arg Ile Thr His Leu Ile Cys Ile Leu Val Ser
1   5   10   15

Ser Leu Gly Ile Ile Asn Ala Ile Phe Xaa Xaa Phe Leu Phe Ser Phe
            20   25   30

Gln Phe Phe Cys Ile Pro
        35

<210> 191
<211> 24
<212> PRT
<213> Homo sapiens

<400> 191

Met Leu Leu Tyr Lys Tyr Ser Tyr Lys Ile Gly Lys Gln Asp Ala Thr
1   5   10   15

Gln Val Ala Glu Asp Gln Arg Leu
            20

<210> 192
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (27)..(27)
<223> any amino acid

<400> 192

Met Phe Thr Val Gly Pro Tyr Gly Val Leu Arg Leu His Phe Ile Ser
1   5   10   15

Cys Asn Ile Phe Val Cys Cys Phe Phe His Xaa Leu Leu Ile Cys Val
            20   25   30

His Ile Thr Asn Ser Val Ser
        35

<210> 193
<211> 43
<212> PRT
<213> Homo sapiens

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<220>
<221>  MISC_FEATURE
<222>  (37)..(38)
<223>  any amino acid


<400>  193

Met Cys Ser Cys Leu Gly Ala Ile Pro Asp Thr Ser Leu Gly Thr Ala
1               5                   10                  15


Phe Tyr Trp Trp Phe Phe Leu Leu Gln Thr Leu Pro Pro Met Ile Trp
            20                  25                  30


Asn Phe Ile Ser Xaa Xaa Lys Arg Lys Asn Val
        35                  40


<210>  194
<211>  22
<212>  PRT
<213>  Homo sapiens

<400>  194

Met Lys His Gln Asn Pro Gly Glu Lys Ile Leu Ile Tyr Leu Phe Asn
1               5                   10                  15


Ile Thr Leu Leu Ser Gln
            20


<210>  195
<211>  12
<212>  PRT
<213>  Homo sapiens

<400>  195

Met Thr Leu Lys Lys Asn Arg Glu Tyr Phe Phe Pro
1               5                   10


<210>  196
<211>  74
<212>  PRT
<213>  Homo sapiens

<400>  196

Phe Phe Phe Leu Arg Trp Arg Leu Ala Leu Val Ala Gln Ala Gly Val
1               5                   10                  15


Gln Trp Arg Asp Leu Gly Ser Leu Gln Pro Pro Pro Pro Gly Phe Arg
            20                  25                  30
```

Ala Phe Ser Cys Leu Ser Leu Ser Ser Ser Trp Asp Tyr Arg His Leu
        35   40   45

Pro Asn Thr Pro Gly Ala Phe Phe Glu Phe Leu Val Glu Met Gly Phe
        50   55   60

His His Leu Val Asp Met Gly Phe Pro His
65   70

<210>   197
<211>   66
<212>   PRT
<213>   Homo sapiens

<400>   197

Met Gly Arg Pro Thr Val Cys Thr His Leu Leu Ser Val Leu Val Glu
1   5   10   15

Val Pro Leu Pro Val Cys His Cys Arg Ser Glu Ser Arg His Gly Asp
        20   25   30

Ser Leu Thr Pro Ser Ser Tyr Pro Pro Ser Ala Pro Thr Pro Pro Gln
        35   40   45

Val Ser Trp Trp Cys His Leu Pro Pro Trp Gly Cys Val Thr Leu Gly
        50   55   60

Lys Leu
65

<210>   198
<211>   72
<212>   PRT
<213>   Homo sapiens

<400>   198

Met Leu Pro Arg Leu Gly Gly Arg Arg Ala Ala Leu Gln Arg Leu Leu
1   5   10   15

Gly Leu Arg Pro Leu Leu Arg Val Pro Gly Arg Gly Gln Arg Glu Ala
        20   25   30

Ala Gly Pro Ala His Leu Ser Ala Arg Pro Glu Ala Gly Thr Cys Ser
        35   40   45

Gly Ala Glu Gln Thr His Glu Thr Met His Leu Phe Gly Ala His Ser

```
            50                      55                      60


Phe Tyr Arg Gly Arg Tyr Pro Thr
65                  70


<210>   199
<211>   29
<212>   PRT
<213>   Homo sapiens

<400>   199

Met Cys Thr Met Cys Ser Thr Leu Ser Tyr Met Leu Tyr Met His Tyr
1               5                   10                  15


Phe Ser Lys Ser Thr Val Val Ser Arg Val Val Ser Arg
            20                  25


<210>   200
<211>   26
<212>   PRT
<213>   Homo sapiens

<400>   200

Met Cys Thr Met Cys Ser Thr Leu Ser Cys Met Leu Tyr Met His Tyr
1               5                   10                  15


Phe Ser Lys Ser Thr Gln Arg Tyr Tyr Glu
            20                  25


<210>   201
<211>   75
<212>   PRT
<213>   Homo sapiens

<400>   201

Met Cys His Ser Leu Arg Leu Lys Leu Pro Ser Cys Ser Glu Ser Lys
1               5                   10                  15


Trp Leu Asn Gln Asp Ser Arg Pro Tyr Leu Leu Thr Leu Asn Ser Lys
            20                  25                  30


Leu Leu Trp Trp Lys Gly Leu Gly Asp Ser Arg Thr Ala Leu Pro His
        35                  40                  45


Asp Ala Arg Cys Pro Gly Gln Thr Phe Thr Ile Phe His Phe Pro Asp
    50                  55                  60
```

Phe Leu Asn Leu Pro Ser Phe His Ile Thr Val
65   70   75

<210> 202
<211> 75
<212> PRT
<213> Homo sapiens

<400> 202

Met Phe Phe Lys Ala Lys Glu Leu Val Leu Met Lys Thr Leu Phe Ser
1   5   10   15

Glu Arg Leu Ile Ser Lys Lys Ile His Asn Lys Ala Cys Leu Leu Arg
            20   25   30

Tyr Asn Asp Phe Gln Thr His Ser Val Ser Thr Phe Leu Val Ala Ile
            35   40   45

Phe Leu His Cys Asp Leu Val Leu Leu Gln Leu Leu Lys Leu Phe Cys
        50   55   60

Phe Asn Leu Thr Trp Phe Tyr Pro Ser Leu Lys
65   70   75

<210> 203
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (4)..(32)
<223> any amino acid

<400> 203

Met Leu Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1   5   10   15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            20   25   30

Gln Lys Ser Gly Ser Leu Pro Leu
        35   40

<210> 204
<211> 33
<212> PRT
<213> Homo sapiens

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<220>
<221>  MISC_FEATURE
<222>  (4)..(5)
<223>  any amino acid


<400>  204

Met Leu Ile Xaa Xaa Gln Tyr Tyr Ile Ile Ile Tyr Asn Leu Lys Leu
1               5                   10                  15


Tyr Met Ile Ile His Lys Val Lys Leu Tyr Ile Ile Ile Ser Ile Ile
            20                  25                  30


Leu



<210>  205
<211>  34
<212>  PRT
<213>  Homo sapiens

<400>  205

Met Ala Gly Leu Lys Ile Val Gln Ile Phe Phe Ile Leu Tyr Met Ala
1               5                   10                  15


Gly Pro Arg Asn Val Gln Ile Phe Met Phe Cys Phe Pro Leu Asn Tyr
            20                  25                  30


Lys Leu



<210>  206
<211>  68
<212>  PRT
<213>  Homo sapiens

<220>
<221>  MISC_FEATURE
<222>  (60)..(60)
<223>  any amino acid


<400>  206

Met Leu Phe Thr Gly Val Ser His His Glu Asp Tyr Gly Trp Phe Cys
1               5                   10                  15


Leu Trp Arg Pro Gly Leu Pro Ala Ser Asp Arg Gly Leu Thr Gly Phe
            20                  25                  30
```

Ser Val Lys Arg Phe Thr Val Val His Lys Ser Lys Gln Thr Ser Ser
        35   40   45

Gly Glu Ile Glu Val Leu Leu Leu Gly Thr Leu Xaa Leu Cys Glu Val
        50   55   60

Lys Ser Ile Cys
65

<210> 207
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (56)..(56)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (62)..(62)
<223> any amino acid

<400> 207

Met Leu Ile Lys Val Val Pro Lys Trp Ala Val Thr Ser Ile Thr Gly
1   5   10   15

Pro Asn Leu Thr Ala Lys Leu Gln Val Gly His His His Tyr His Leu
                20   25   30

Glu Thr Val Asn Ile Val Trp Arg Leu Thr Leu Tyr Thr His Ser Tyr
        35   40   45

Met Ala Met Cys Lys Leu Ser Xaa Pro Val Ala Gly Pro Xaa
        50   55   60

<210> 208
<211> 53
<212> PRT
<213> Homo sapiens

<400> 208

Met Leu Phe Ser Ile Ser Leu Gln Leu Gly Cys Ala Leu Ala Val Leu
1   5   10   15

Cys Asn Thr Gly Phe Ser Lys Arg Asn Lys Gly Gln Leu Ala Leu Leu

                20   25   30

Ser Glu Ile Cys Leu Lys Asn Phe Ile Ser Gln His Arg Phe Leu Met
         35   40   45

Arg Phe Ser Lys Lys
        50

<210>   209
<211>   83
<212>   PRT
<213>   Homo sapiens

<220>
<221>   MISC_FEATURE
<222>   (81)..(81)
<223>   any amino acid

<400>   209

Met Pro Pro Gly Pro Pro Ala Gln Asp Ile Met Val Pro Arg Glu Arg
1   5   10   15

Glu Pro Gln Gly His Trp Gln Glu Leu Pro Ile Pro Ser Pro Trp Val
            20   25   30

Gly Ser Arg Trp His Arg Lys Gly Gly Pro Gly Gly Leu Val Thr Trp
         35   40   45

Glu Leu Pro Leu Glu Ala Ile Ser Arg Gly Leu Arg Val Gly Arg Gly
        50   55   60

Gly Phe Gly Val Phe Cys Leu Cys Arg Val Arg Gln Gly Arg Leu Gly
65   70   75   80

Xaa Arg Arg

<210>   210
<211>   34
<212>   PRT
<213>   Homo sapiens

<400>   210

Met Leu Glu Tyr Leu Glu Val Asn Ser His Cys Ile Cys Tyr Leu Lys
1   5   10   15

Tyr Tyr Thr Asn Lys Gln Asp Glu Ala Lys Leu Leu Ser Leu Asp Met

                    20   25   30

Gly Leu

<210>   211
<211>   95
<212>   PRT
<213>   Homo sapiens

<400>   211

Met Ala Ser Ser Gln Leu Gly Tyr Val Cys Ser Cys Val Ala Ala Asn
1   5   10   15

Met Ser Met Pro Ala Ser His Ser Ala Leu Ser His Thr Val Met Gly
                20   25   30

Thr Asn Ile Gln Glu Glu Gln Lys Ser Arg Pro Trp Val Leu Phe Ser
            35   40   45

Pro Cys Gln Arg Cys Ser Pro Thr Ala Pro Gly Asp Leu Gly Trp Glu
        50   55   60

Lys Asn Gln Ser Leu Thr Ser His Pro Thr Ala Phe Cys Phe Leu Thr
65   70   75   80

Leu Leu Arg Ser Gly Ser Ser Arg Pro Gly Gly Leu Gly Gln Gly
                85   90   95

<210>   212
<211>   33
<212>   PRT
<213>   Homo sapiens

<400>   212

Met Val Ile His Thr His Lys Val Ala Ala Tyr Ile Asp His Gln His
1   5   10   15

Ala Lys Asn Met Asn Leu Gly Ile Ile Ser Pro Ala Glu Ser Gln Val
                20   25   30

Gln

<210>   213
<211>   37
<212>   PRT

<213>   Homo sapiens

<220>
<221>   MISC_FEATURE
<222>   (6)..(6)
<223>   any amino acid

<400>   213

Met Glu Ser Leu Leu Xaa Leu Leu Gln Ile Pro Asn Ser Leu Ser Lys
1   5   10   15

Thr Leu Lys Ile Phe Tyr Asn Ser Glu Glu Glu Lys Ile Arg Ala Arg
            20   25   30

Gln Val Lys Asn Val
            35

<210>   214
<211>   45
<212>   PRT
<213>   Homo sapiens

<400>   214

Met Thr Leu Val Arg Ser Val Leu Glu Gln Phe Ala Glu Pro Cys Lys
1   5   10   15

Ile Asp Gly Ala Tyr Leu Phe Pro Ala Leu Cys Ser Ser Met Pro Asp
            20   25   30

Arg Gln Thr Glu Ile Ser Arg Asp Lys Asn Val Tyr Thr
            35   40   45

<210>   215
<211>   21
<212>   PRT
<213>   Homo sapiens

<400>   215

Met Asn Arg Asp Ala Ala Phe Asp Ser Val Leu Val Leu Asp Ser Ala
1   5   10   15

Phe Gly Phe Phe Phe
            20

<210>   216
<211>   46
<212>   PRT
<213>   Homo sapiens

<400> 216

Met Lys Ala Ile His Leu Val Lys Arg Asn Gly Ser Arg Ala His Val
1   5   10   15

Arg Arg Asp Ile Glu Arg Glu Gln Ile Pro Ser Arg Ser Val Leu Ala
                20   25   30

Ser Ala Ala Thr Ser Asn Leu Asn Asn Ser Val Ser Leu Phe
            35   40   45

<210> 217
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid

<400> 217

Met Leu Pro Arg Xaa Gln Phe Pro Glu Ala Ala Ala Leu Gly Arg Ala
1   5   10   15

Gly Cys Trp Val Gly Gln His Ser Ala Ala Glu Ala Asp Pro Glu Gly
                20   25   30

Leu Thr Ala Gly Gly His Leu Pro Ser Ser Leu Leu Gln Leu Asp Gly
            35   40   45

Lys Ala Phe Leu Glu Glu Gly Gly Pro Gly Asn Ala Phe Pro His Leu
        50   55   60

Leu His Leu Tyr Pro Leu Thr Leu Arg Asp Leu Ala Thr Cys Leu Gln
65   70   75   80

Thr

<210> 218
<211> 49
<212> PRT
<213> Homo sapiens

<400> 218

Met Pro Asn Cys Cys Ser Glu Lys Met Gln Ser Phe Thr Gln His His

```
1                    5                    10                   15

Gln Gln Arg Pro Asn Ala Pro Gly His Cys Asp Phe Ala Ala Ser Gly
            20                  25                  30

Met Leu Ile Ile Phe Gly Phe Ala Asn Leu Thr Gly Tyr Arg Ile Ile
            35                  40                  45

Phe
```

<210> 219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 219

```
Met Cys Ser Glu Arg Arg Ser Arg Gln Gly Pro Asp Tyr Ile Gly Leu
1                5                   10                  15

Cys Lys Ser Glu
            20
```

<210> 220
<211> 115
<212> PRT
<213> Homo sapiens

<400> 220

```
Met Val Phe Leu Phe Val Cys Leu Phe Val Leu Arg Trp Asn Phe Ala
1                5                   10                  15

Phe Val Ala Gln Ala Gly Val Gln Trp Cys Ser Leu Gly Pro Arg Gln
            20                  25                  30

Pro Pro Pro Pro Arg Phe Asn Ala Phe Ser Cys Leu Asn Leu Pro Ser
            35                  40                  45

Ser Ala Asp Ala Arg Arg Ala Pro Pro Tyr Pro Ala Asn Phe Phe Leu
      50                  55                  60

Phe Phe Phe Phe Phe Ala Val Glu Met Glu Phe His His Val Gly Gln
65                  70                  75                  80

Ala Gly Leu Lys Leu Leu Thr Ser Gly Asp Pro Pro Thr Leu Ala Ser
            85                  90                  95
```

Glu Ser Ala Gly Ile Thr Gly Val Ser His Cys Ala Gln Pro Asp Ser
            100   105   110

Asn Phe Phe
        115

<210> 221
<211> 56
<212> PRT
<213> Homo sapiens

<400> 221

Met His Lys Gln Lys Gln Glu Arg Leu Glu Cys Asn Ser Ile Glu Ser
1   5   10   15

Ser Glu Gly Gly Val Val Thr Pro Ala Glu Arg Glu Arg Glu Gln Gly
            20   25   30

Pro Gln Ser Gln Ala Gly Trp Gln Gln Val Leu Leu Cys Pro His Leu
        35   40   45

Gln Leu Gly Asp Ala Arg Arg Gly
    50   55

<210> 222
<211> 62
<212> PRT
<213> Homo sapiens

<400> 222

Met Lys Ser Asn Pro Glu Met Ile Lys Gly Lys Ser Tyr Asn Lys Thr
1   5   10   15

Tyr Lys Cys Thr Phe Ala Leu Leu Leu Ser Thr Ser Leu Ala Asp Ile
            20   25   30

Lys Leu Cys Asn Ile Val Ile Ile Thr Ile Tyr Cys Tyr Ile Cys Asn
        35   40   45

Ile Tyr Arg Tyr Asn Ile Tyr Asn Ile Ser Thr Thr Lys Ser
    50   55   60

<210> 223
<211> 55
<212> PRT
<213> Homo sapiens

<400> 223

Met Phe Trp Leu Tyr Ser Lys Ile Glu His Leu Val Ile Ile Phe Arg
1   5   10   15

Asn Thr Arg Ile Ser Lys Thr Gln Ile Phe Trp Pro Val Thr Cys Gly
            20   25   30

Leu Tyr Ser Leu Lys Val Leu Lys Ile Ile Lys Val Arg Leu Leu Ile
        35   40   45

Met Ile Leu Asp Asn Arg Ile
    50   55

<210> 224
<211> 17
<212> PRT
<213> Homo sapiens

<400> 224

Met Arg Asn Cys Asn Ser His Arg Gly Pro Pro Arg Gly Val Glu Glu
1   5   10   15

Gly

<210> 225
<211> 38
<212> PRT
<213> Homo sapiens

<400> 225

Met Thr Val Gly Trp Thr His Val Lys Ala Pro Pro Leu Ala Phe Arg
1   5   10   15

Gly Trp Leu Ser Asn Glu Thr Leu Val Ser Leu Leu Asp Lys Thr Thr
            20   25   30

Ile Arg Ala Leu Cys Ile
        35

<210> 226
<211> 51
<212> PRT
<213> Homo sapiens

<400> 226

Met Thr Lys Leu Trp Ile Gln Pro Met Leu Gln Arg Ser Pro His Ser

```
1                   5                   10                  15

Cys His Ala Ser Ala Ser Asn Pro Glu Met Ala Tyr Thr Leu Pro Arg
            20                  25                  30

Asp Val Thr Ser Thr Gln Gln Ala Pro Gly Phe Ser His Leu Cys Thr
            35                  40                  45

Thr Leu Gln
        50
```

<210> 227
<211> 81
<212> PRT
<213> Homo sapiens

<400> 227

```
Arg Val Arg Glu Cys Gln Val Leu Phe Leu Ala Gly Lys Thr Lys Gly
1               5                   10                  15

Cys Phe Tyr Ser Pro Pro Tyr Leu Asp Asp Tyr Gly Glu Thr Asp Gln
            20                  25                  30

Gly Leu Arg Arg Gly Asn Pro Leu His Leu Cys Lys Glu Arg Phe Lys
            35                  40                  45

Lys Ile Gln Lys Leu Trp His Gln His Ser Val Thr Glu Glu Ile Gly
        50                  55                  60

His Ala Gln Glu Ala Asn Gln Thr Leu Val Gly Ile Asp Trp Gln His
65                  70                  75                  80

Leu
```

<210> 228
<211> 25
<212> PRT
<213> Homo sapiens

<400> 228

```
Met Gln Ile Thr Leu Trp Gln Ile Leu Arg Arg Gly Leu Phe Thr Ser
1               5                   10                  15

Tyr Tyr Thr Tyr Asn Lys Gly Asn Lys
            20                  25
```

<210> 229
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (42)..(42)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (91)..(91)
<223> any amino acid

<400> 229

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Met Asn Val Thr Trp Val Ser Lys Gly Leu Pro Lys Lys Leu Glu Gln
1               5                   10                  15


Ser Gly Ala Pro Gly Ser Ala Pro Asn Pro Trp Thr Leu Ala Val Ser
            20                  25                  30


Leu Pro Glu Pro Glu Pro Val Gln Cys Xaa Ser Ser Val Cys Gly Gln
            35                  40                  45


Lys Leu Gln Thr Pro Glu Asn Cys His Leu Arg Cys Trp Lys Ser Leu
    50                  55                  60


Leu Ser Leu Thr Asn Cys Gln Gln Gly Glu Cys Ala Gln Phe Trp Arg
65                  70                  75                  80


His Ser Phe Pro Gly Asp Trp Glu Cys Ser Xaa Trp Val
                85                  90
```

<210> 230
<211> 28
<212> PRT
<213> Homo sapiens

<400> 230

```
Met Gly Glu Ile Phe Lys Glu Glu Lys Ile Glu Asn Ile Leu Met His
1               5                   10                  15


Phe Lys Asn Thr Gly Leu Ser Ala Pro Ser Val Arg
            20                  25
```

<210> 231

<211> 98
<212> PRT
<213> Homo sapiens

<400> 231

Leu Arg Arg Ser Leu Ala Leu Ser Leu Arg Leu Glu Cys Asn Gly Thr
1   5   10   15

Val Leu Ala His Cys Asn Phe His Phe Pro Gly Ser Ser Asn Ser Pro
                20   25   30

Asp Ser Ala Ser Arg Val Ala Gly Ile Thr Gly Thr His Asn Arg Thr
            35   40   45

Gln Leu Ile Phe Val Phe Leu Val Glu Met Gly Phe His His Pro Gly
        50   55   60

Gln Thr Gly Leu Glu Leu Met Thr Ser Asp Pro Ser Thr Leu Ala Ser
65   70   75   80

Gln Asn Ala Gly Ile Thr Gly Val Ser His His Thr Trp Pro Ser Gln
                85   90   95

Ala Tyr

<210> 232
<211> 56
<212> PRT
<213> Homo sapiens

<400> 232

Met Pro Gly Ser Pro Thr Met Pro Leu Phe Ser Thr Tyr Pro Thr Pro
1   5   10   15

Asn Pro Ser Ala Asn Leu Val Asn Ser Glu Phe Arg Ile Tyr Pro Thr
                20   25   30

Ser Glu Cys Ile Phe Pro Ser Leu His Gln Ser Pro Ser Phe Lys Pro
            35   40   45

Pro Ser Phe Leu Thr Gly Leu Ser
    50   55

<210> 233
<211> 43
<212> PRT

<213> Homo sapiens

<400> 233

Val Leu Leu Cys Cys Pro Gly Trp Ser Arg Thr Pro Ile Leu Lys Ala
1   5   10   15

Ser Ser His Leu Ser Leu Pro Lys Phe Trp Asn Ser Arg Cys Gln Pro
            20   25   30

Pro Arg Leu Ala Leu Ile Tyr Ile Ala Thr Gly
        35   40

<210> 234
<211> 48
<212> PRT
<213> Homo sapiens

<400> 234

Met Asn Ile Gln Asn Lys Glu Met Val Pro Met Thr Ala Thr Ile Phe
1   5   10   15

Arg Arg His Tyr Arg Cys His Pro Met Pro Leu Ala Lys Lys Lys Ser
            20   25   30

Phe Arg His Phe Gly Ile Glu Arg Lys Arg Tyr Asn Asn Leu Tyr Leu
            35   40   45

<210> 235
<211> 65
<212> PRT
<213> Homo sapiens

<400> 235

Met His Ile Ile Tyr Tyr Asn Thr Leu Val Lys His Gln Leu Leu Ala
1   5   10   15

Val Thr Phe Ser Cys Pro Ser His Cys Arg Cys Lys Asp Lys Cys Phe
            20   25   30

Tyr Leu Lys Ala Phe Pro His Phe Trp Glu Glu Glu Leu Pro Leu Leu
            35   40   45

Val Lys Ile Leu Ala Val Leu Cys Leu Met Ala Ile Ser Glu Lys Ser
        50   55   60

His
65

<210> 236
<211> 67
<212> PRT
<213> Homo sapiens

<400> 236

Met Ile Thr Lys Ser Val Pro Leu Phe Phe Leu Ile Gly Asp Ala Ser
1   5   10   15

Cys Val Val Ser Phe Leu Glu Glu Glu Asp Phe Leu Ser Arg Pro Leu
                20   25   30

Arg Arg Leu Phe Leu Val Ile Ser Lys Met Ile Ala Tyr Ala Leu Val
            35   40   45

Glu Ile Ile Leu Ala Ala Leu Ile Asn Lys Pro Pro Asn Leu Trp Asp
        50   55   60

Leu Ala Lys
65

<210> 237
<211> 23
<212> PRT
<213> Homo sapiens

<400> 237

Met Lys Trp Glu Asn Ser Ser Asn Asp Thr Asn Tyr His Asn Ser Leu
1   5   10   15

Lys Ile Lys His Thr Tyr Thr
            20

<210> 238
<211> 63
<212> PRT
<213> Homo sapiens

<400> 238

Met Gln Pro Leu Asn Lys His Ser Leu Arg Leu Leu Cys Gln Ala Met
1   5   10   15

Glu Ile Ser Glu Pro Pro Gln Gly Val His Arg Pro Val Glu Glu Lys
                20   25   30

Glu Met Gln Gln Gly Asp Ile Gly Ile Phe Leu Val Ser Leu Met Asp

```
                35                          40                          45

        Phe Glu Asp Ser Ala Ile Met Arg Thr Val Phe Arg Glu Glu Glu
            50                  55                  60


<210>  239
<211>  63
<212>  PRT
<213>  Homo sapiens

<400>  239

        Met Asp His Thr Ser Leu His Gly Phe Ala His Ile Glu Ile Ile Tyr
        1               5                   10                  15


        Ser Ala Gly Gly Ser Leu Val Leu Lys Ile Asp Ser His Gly Ile Ile
                    20                  25                  30


        Lys Glu Ser Asn Cys Val Gln Pro Asn Ile Arg Ser Ser Gly Phe Gln
                    35                  40                  45


        Ile Ser Lys Ala Cys Tyr Leu Met Tyr Ser Ser Ile Leu Gly Cys
            50                  55                  60


<210>  240
<211>  86
<212>  PRT
<213>  Homo sapiens

<400>  240

        Met Leu Val Ile Tyr Ile Phe Leu Glu Thr Met His Phe Ile Trp Ile
        1               5                   10                  15


        Leu Asp Phe Phe Lys Met Tyr Met Leu Phe Tyr Ile Tyr Phe Val Thr
                    20                  25                  30


        Cys Ile Met Ile Thr Tyr Met Ile Lys Met Ile Tyr Val Ile Leu Phe
                    35                  40                  45


        Ile Phe Lys Lys Phe Ser Leu Phe Val Ile Ile Ser Pro Tyr Leu Leu
            50                  55                  60


        Ser Ser Thr Asn Leu Gln Ser Arg Leu Val Gln Ile Thr Arg Tyr Phe
        65                  70                  75                  80


        Ser Met Leu Phe Asn Ser
                    85
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<210> 241
<211> 49
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<223> any amino acid

<400> 241

Met Leu Val Trp Gly Thr Xaa Lys Gly Pro Ile Cys Phe Ser Leu Asn
1   5   10   15

Asn Asn Lys Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
                20   25   30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Pro Tyr Gly Thr Phe Lys Cys Gly
            35   40   45

Lys

<210> 242
<211> 63
<212> PRT
<213> Homo sapiens

<400> 242

Met Gln Val Val Tyr Arg Ala Lys Leu Val Gly Leu Ala Thr Ile Leu
1   5   10   15

Asn Ile Ser Ile Lys Arg Thr Arg Arg Glu Thr His Met Met Ile Ser
                20   25   30

Leu Phe Pro Arg Gly Ile Leu Gly Arg Gly Asn Asn Glu Ala Val Glu
            35   40   45

Val Ser Tyr Asn Leu Lys Gln Phe Phe Ser Leu Leu Ala Ile Ser
        50   55   60

<210> 243

<211> 36
<212> PRT
<213> Homo sapiens

<400> 243

Met Thr Glu Arg Ser Glu Met Met Val Cys Leu Val Leu Leu Pro Thr
1   5   10   15

Ser Asn Leu Cys Phe Ser Lys Leu Leu Tyr Val Ile Ile Leu Val Leu
            20   25   30

Lys Ile Pro Leu
            35

<210> 244
<211> 30
<212> PRT
<213> Homo sapiens

<400> 244

Met Tyr Thr Tyr Phe Arg Ser Ser Tyr Lys Tyr Phe Glu Ile Arg Ser
1   5   10   15

Phe Pro Pro Ser Trp Gln Pro His Ile Tyr Tyr Ile Ser Leu
            20   25   30